



Concerning : Lot acceptance test on square flange receptacle tab contact SMA R125612140X for ASTRA Microwave Products.

Test sample identification :

Square flange receptacle tab contact SMA R125612140X
 Batch 05-34A quantity 94
 Batch 05-40A quantity 68

Addressee :

Poizat S.
 Blanchard A.

Applicant : Poizat S.

Department : Space connectors

Started : 10/01/2006

Finished : 22/23/2006

Written by : Bouvier D. *Bouvier*

Verified by : Bouvier D. *Bouvier*

Approved by : Blanchard A. *Blanchard*

Date : 22/03/2006

Tests :

- Dielectric withstanding voltage.
- Insulation resistance.
- Contact resistance.
- RF Insertion loss.
- VSWR.
- Thermal shocks.
- Temperature operational.
- Force to engage / disengage.
- Mating characteristics.
- Centre contact retention.
- Connector durability.
- Steady state humidity.
- Microsectioning.
- Solderability.

Purpose : Lot acceptance test level 1 on square flange receptacle tab contact SMA R125612140X according to ASTRA Microwave Products order N°4520001573.

Conclusion :

All the samples fulfilled the test requirements of lot acceptance test level 1 on square flange receptacle tab contact SMA R125612140X according to ASTRA Microwave Products order N°4520001573, except :
 - On sample N°138, the tab contact was broken due to a wrong handling by the operator during the installation of the steady state humidity test.

Quality manager decision :

Lot acceptance test results acceptable.

Number of pages : 44

Test report nb : 2005.45.2203 Rev. -

Nb of appendices : 4

Page : 1

Concerning : Lot acceptance test on square flange receptacle tab contact SMA R125612140X for ASTRA Microwave Products.

Test sample identification :

Square flange receptacle tab contact SMA R125612140X
 Batch 05-34A quantity 94
 Batch 05-40A quantity 68

Addressee :

Poizat S.
 Blanchard A.

Applicant : Poizat S.

Department : Space connectors

Started : 10/01/2006

Finished : 22/23/2006

Written by : Bouvier D.

Verified by : Bouvier D.

Approved by : Blanchard A.

Date : 22/03/2006

Tests :

- Dielectric withstanding voltage.
- Insulation resistance.
- Contact resistance.
- RF Insertion loss.
- VSWR.
- Thermal shocks.
- Temperature operational.
- Force to engage / disengage.
- Mating characteristics.
- Centre contact retention.
- Connector durability.
- Steady state humidity.
- Microsectioning.
- Solderability.

Purpose : Lot acceptance test level 1 on square flange receptacle tab contact SMA R125612140X according to ASTRA Microwave Products order N°4520001573.

Conclusion :

All the samples fulfilled the test requirements of lot acceptance test level 1 on square flange receptacle tab contact SMA R125612140X according to ASTRA Microwave Products order N°4520001573, except :

- On sample N°138, the tab contact was broken due to a wrong handling by the operator during the installation of the steady state humidity test.

Quality manager decision :

Lot acceptance test results acceptable.

Number of pages : 44

Test report nb : 2005.45.2203 Rev. -

Nb of appendices : 4

Page : 1

Sampling board.	page 3
Dielectric withstanding voltage.	page 5
Insulation resistance.	page 6
Contact resistance.	page 7
RF Insertion loss.	page 10
VSWR.	page 12
Thermal shocks.	page 14
Dielectric withstanding voltage after thermal shocks.	page 15
Insulation resistance after thermal shocks.	page 16
Contact resistance after thermal shocks.	page 17
RF Insertion loss after thermal shocks.	page 19
VSWR after thermal shocks.	page 20
Temperature operational.	page 22
Force to engage / disengage.	page 26
Mating characteristics.	page 28
Centre contact retention.	page 30
Connector durability.	page 32
Steady state humidity.	page 35
Dielectric withstanding voltage after steady state humidity.	page 36
Insulation resistance after steady state humidity.	page 37
Contact resistance after steady state humidity.	page 38
Microsectioning.	page 40
Solderability.	page 43

Appendix 1 : Insertion loss graphs	61 pages.
Appendix 2 : V.S.W.R. graphs	121 pages.
Appendix 3 : LCE report N° 2006.04.9089	9 pages.
Appendix 4 : Notices of anomaly	2 pages.

<u>Group I</u>		
Tests / Samples	Batch 05-34A	Batch 05-40A
Dielectric withstanding voltage	N°1 to 94	N°95 to 162
Insulation resistance	N°1 to 94	N°95 to 162
Contact resistance	N°1 to 94	N°95 to 162
RF Insertion loss	N°1 to 35	N°95 to 119
VSWR	N°1 to 35	N°95 to 119
Thermal shocks	N°1 to 94	N°95 to 162
Dielectric withstanding voltage after thermal shocks	N°1 to 94	N°95 to 162
Insulation resistance after thermal shocks	N°1 to 94	N°95 to 162
Contact resistance after thermal shocks	N°36 to 94	N°120 to 162
RF Insertion loss after thermal shocks	N°1 to 35	N°95 to 119
VSWR after thermal shocks	N°1 to 35	N°95 to 119
<u>Group II</u>		
Subgroup A		
Tests / Samples	Batch 05-34A	Batch 05-40A
Temperature operational	N°1 to 35	N°95 to 119
Force to engage / disengage	N°1 to 35	N°95 to 119
Mating characteristics	N°1 to 35	N°95 to 119
Centre contact retention	N°1 to 35	N°95 to 119
Connector durability	N°1 to 35	N°95 to 119
Subgroup B		
Steady state humidity	N°36 to 70	N°120 to 144
Dielectric withstanding voltage after Steady state humidity	N°36 to 70	N°120 to 144
Insulation resistance after Steady state humidity	N°36 to 70	N°120 to 144
Contact resistance after Steady state humidity	N°36 to 70	N°120 to 144
<u>Group III</u>		
Tests / Samples	Batch 05-34A	Batch 05-40A
Microsectioning	N°71 to 87	N°145 to 157
<u>Group IV</u>		
Tests / Samples	Batch 05-34A	Batch 05-40A
Solderability	N°88 to 94	N°158 to 162

The batch N°05-34A is composed by samples N°1 to 94.

The batch N°05-40A is composed by samples N°95 to 162.

To perform the tests of groups III and IV, the samples shall remain entire, so to perform the RF insertion loss and VSWR measurements in group I, the samples shall cut and put back to back. Consequently the samples of groups III and IV will not to be measured in RF insertion loss and VSWR measurements.

Specification :

ASTRA Microwave products order N°4520001573
Technical data sheet R125612140X
Test method standard MIL-STD-202 G

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 94.
Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 162.

Equipment :

Dielectrimeter SEFELEC MPC316 n°8064 007 1091

Room temperature :

20 ± 10 °C

Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 10/01/2006

Test description:

The voltage withstanding test was performed according to standard MIL-STD-202 G method 301 with the following conditions :

- Voltage : 1000 Vrms.
- Duration : 1 minute minimum.
- The test voltage was applied on uncabled connectors between centre contact and shell.

Requirement : 1000V with no leakage current \geq 2 mA. Pass or fail.

Results :

Pass for all samples.

Tests / Samples	Batch 05-34A / N°1 to 94	Batch 05-40A / N°95 to 162
Dielectric withstanding voltage (1000 Vrms)	Pass	Pass

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
Technical data sheet R125612140X
Test method standard MIL-STD-202 G

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 94.
Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 162.

Equipment :

Dielectrimeter SEFELEC MPC316 n°8064 007 1091

Room temperature :

20 ± 10 °C

Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 10/01/2006

Test description:

The insulation resistance test was performed according to standard MIL-STD-202 G method 302 condition B with the following conditions :

- Voltage : 500 V dc.
- Duration before measurement : 1 minute minimum.
- The test voltage was applied on uncabled connectors between centre contact and shell.

Requirement : > 5000 MΩ. Pass or fail.

Results :

Pass for all samples.

Tests / Samples	Batch 05-34A / N°1 to 94	Batch 05-40A / N°95 to 162
Insulation resistance (> 5000 MΩ.)	Pass	Pass

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Test method standard MIL-PRF-39012
 Standard RAD DET CONN 003

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 94.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 162.

Equipment :

Microhmmeter SEFELEC MGR10 n° 80630040106

Room temperature :
 20 ± 10 °C

Room humidity :
 25 - 70 % HR

Room pressure :
 860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 12/01/2006

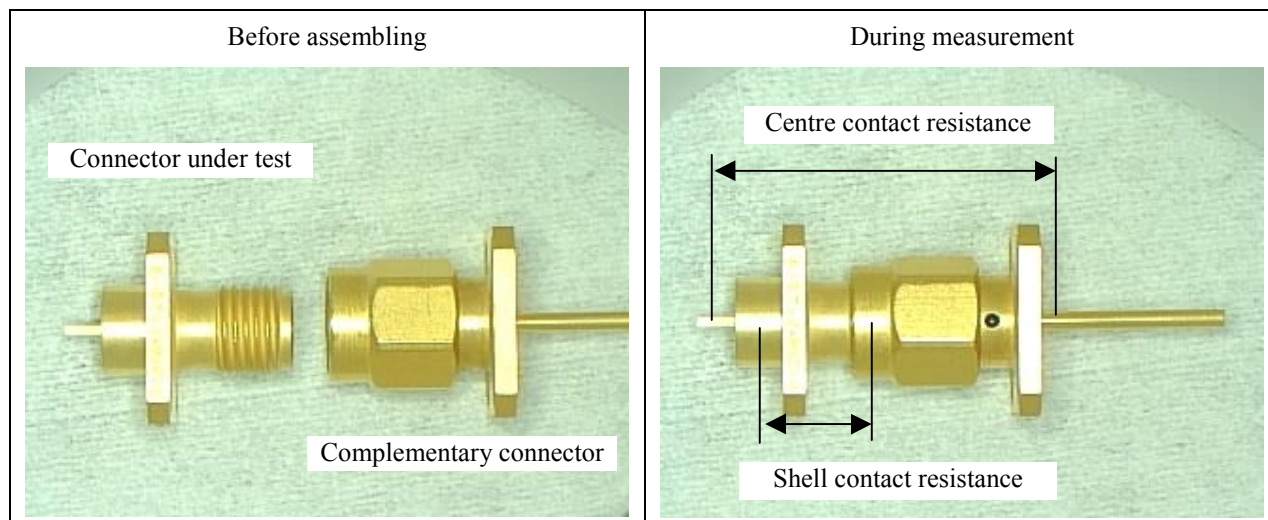
Test description:

The contact resistance test was performed according to standard MIL-PRF-39012 paragraph 4.7.13 method B with following conditions :

- Measurement current : 50mA
- Nominal DC potential on open circuit : 5 V
- Measurement was performed with complementary connector.

Requirement :

- Centre contact ≤ 3.0 mΩ
- Shell contact ≤ 2.0 mΩ

Points of measurements


Results :

Contact resistance on batch 05-34A (mΩ)

Sample	Centre contact	Shell contact	Sample	Centre contact	Shell contact
Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ	Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ
N°1	2.40	0.47	N°48	1.98	0.55
N°2	2.44	0.57	N°49	1.90	0.47
N°3	2.10	0.53	N°50	2.09	0.51
N°4	2.36	0.56	N°51	2.26	0.50
N°5	2.51	0.51	N°52	2.43	0.50
N°6	2.45	0.52	N°53	2.15	0.51
N°7	2.21	0.51	N°54	2.27	0.46
N°8	2.30	0.50	N°55	2.12	0.47
N°9	2.60	0.51	N°56	2.16	0.44
N°10	2.37	0.52	N°57	2.13	0.46
N°11	2.68	0.51	N°58	2.40	0.42
N°12	2.54	0.50	N°59	2.13	0.39
N°13	2.43	0.55	N°60	2.00	0.46
N°14	2.11	0.51	N°61	2.35	0.42
N°15	2.17	0.58	N°62	2.41	0.48
N°16	2.10	0.50	N°63	2.38	0.46
N°17	2.25	0.53	N°64	2.32	0.46
N°18	2.20	0.54	N°65	2.40	0.43
N°19	2.10	0.54	N°66	2.33	0.45
N°20	2.32	0.51	N°67	2.30	0.46
N°21	2.34	0.52	N°68	2.42	0.48
N°22	1.92	0.51	N°69	2.30	0.50
N°23	2.28	0.56	N°70	2.40	0.53
N°24	2.10	0.58	N°71	2.50	0.47
N°25	2.01	0.55	N°72	2.33	0.40
N°26	2.10	0.53	N°73	2.47	0.46
N°27	2.15	0.60	N°74	2.14	0.48
N°28	2.24	0.49	N°75	2.42	0.51
N°29	2.16	0.57	N°76	2.05	0.45
N°30	2.05	0.46	N°77	2.10	0.43
N°31	2.14	0.48	N°78	2.55	0.43
N°32	1.98	0.40	N°79	2.41	0.41
N°33	2.20	0.45	N°80	2.23	0.43
N°34	2.18	0.54	N°81	2.33	0.44
N°35	2.28	0.56	N°82	2.17	0.44
N°36	2.22	0.50	N°83	2.51	0.40
N°37	2.18	0.47	N°84	2.42	0.48
N°38	2.21	0.51	N°85	2.31	0.50
N°39	2.34	0.57	N°86	2.37	0.38
N°40	2.11	0.53	N°87	2.42	0.50
N°41	2.11	0.54	N°88	2.32	0.43
N°42	2.01	0.53	N°89	2.38	0.45
N°43	2.40	0.54	N°90	2.38	0.45
N°44	2.17	0.41	N°91	2.43	0.44
N°45	2.27	0.46	N°92	2.42	0.51
N°46	2.00	0.52	N°93	2.52	0.46
N°47	1.92	0.53	N°94	2.31	0.45

Contact resistance on batch 05-40A (mΩ)

Sample	Centre contact	Shell contact	Sample	Centre contact	Shell contact
Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ	Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ
N°95	2.41	0.40	N°129	2.14	0.46
N°96	2.20	0.44	N°130	2.41	0.49
N°97	2.10	0.48	N°131	2.40	0.38
N°98	2.29	0.44	N°132	2.42	0.48
N°99	2.45	0.46	N°133	2.31	0.53
N°100	2.30	0.46	N°134	2.22	0.43
N°101	2.36	0.47	N°135	2.25	0.46
N°102	2.34	0.46	N°136	2.34	0.48
N°103	2.35	0.45	N°137	2.30	0.46
N°104	2.38	0.40	N°138	2.11	0.39
N°105	2.16	0.44	N°139	2.44	0.39
N°106	2.42	0.46	N°140	2.54	0.49
N°107	2.50	0.39	N°141	2.47	0.47
N°108	2.32	0.51	N°142	2.42	0.42
N°109	2.28	0.40	N°143	2.28	0.49
N°110	2.47	0.39	N°144	2.54	0.38
N°111	2.34	0.42	N°145	2.42	0.45
N°112	2.37	0.45	N°146	2.37	0.41
N°113	2.29	0.38	N°147	2.33	0.43
N°114	2.18	0.45	N°148	2.31	0.50
N°115	2.41	0.50	N°149	2.44	0.38
N°116	2.35	0.43	N°150	2.37	0.53
N°117	2.39	0.40	N°151	2.42	0.45
N°118	2.47	0.42	N°152	2.31	0.40
N°119	2.30	0.43	N°153	2.46	0.40
N°120	2.30	0.48	N°154	2.44	0.46
N°121	2.41	0.42	N°155	2.36	0.46
N°122	2.19	0.47	N°156	2.31	0.45
N°123	2.30	0.40	N°157	2.00	0.39
N°124	2.38	0.46	N°158	2.08	0.38
N°125	2.25	0.47	N°159	2.28	0.50
N°126	2.13	0.51	N°160	2.14	0.42
N°127	2.35	0.48	N°161	2.21	0.45
N°128	2.27	0.48	N°162	2.22	0.42

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Standard RAD GEN CONN 001
 FIPA 024906S

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 35.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 119.

Equipment :

Vector Network Analyser WILLTRON 37269A n°8025 007 0995
 Calibration Kit K WILTRON 3652 n°8039 111 0905

Room temperature :
 20 ± 10 °C

Room humidity :
 25 - 70 % HR

Room pressure :
 860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 24/01/2006

Test description:

Insertion loss measurements were performed on Vector Network Analyser according to test procedures FIPA 024906S, Radiall generic specification RAD GEN CONN 001 § 9.19 and the following conditions.

- Temperature : room temperature
- Frequency range : 0 to 18 GHz
- Number of points : 401
- Calibration : full two ports

Requirements : $0.03 * \sqrt{\text{Frequency(GHz)}}$ dB max. from 0 to 5GHz (0.067dB at 5 GHz).

: $0.05 * \sqrt{\text{Frequency(GHz)}}$ dB max. from 5 to 18GHz (0.212dB at 18 GHz).

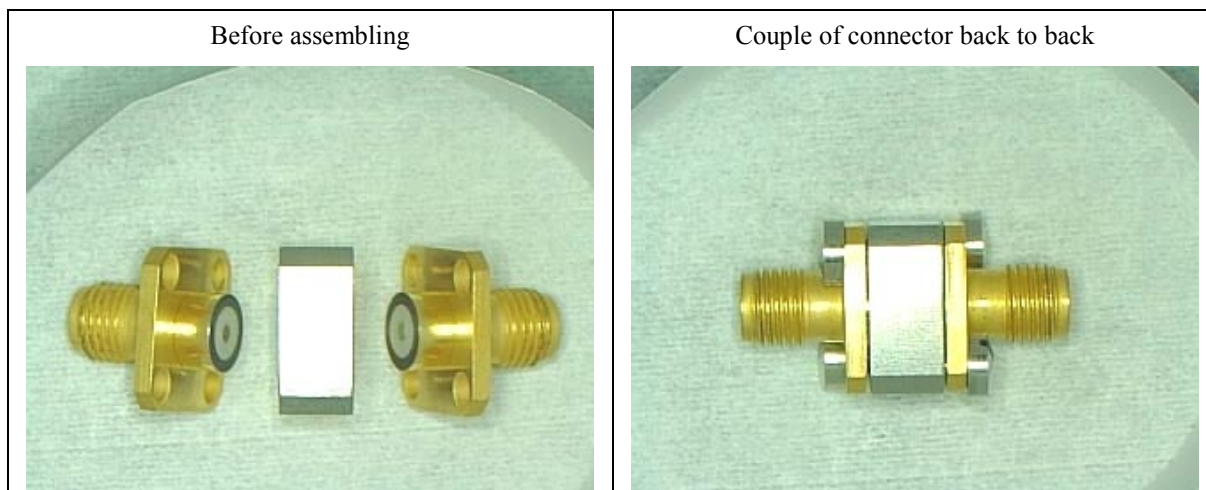
To perform the RF measurements, the connectors were put back to back thanks to a centring tool. The back face of each connector was mechanically reworked to coincide between them. A drop of conductive glue was added to ensure a good continuity on the centre contact. In this configuration, the results of insertion loss measurements were the sum of two connectors and the requirement on the graphs was multiplied by two.

Initial state of connector



After mechanical rework of the back face




Results :

Insertion loss at frequency point on batch 05-34A and 05-40A(dB)

Couple	5.0 GHz	18.0 GHz	Couple	5.0 GHz	18.0 GHz
Requirement	≤ 0.134 dB *	≤ 0.424 dB *	Requirement	≤ 0.134 dB *	≤ 0.424 dB *
1-2	0.105	0.174	31-32	0.096	0.209
3-4	0.085	0.184	33-34	0.081	0.176
5-6	0.082	0.165	35-95	0.104	0.239
7-8	0.085	0.174	96-97	0.090	0.205
9-10	0.092	0.189	98-99	0.078	0.160
11-12	0.080	0.164	100-101	0.090	0.176
13-14	0.083	0.166	102-103	0.090	0.187
15-16	0.098	0.193	104-105	0.096	0.180
17-18	0.085	0.181	106-107	0.110	0.223
19-20	0.087	0.182	108-109	0.099	0.199
21-22	0.103	0.219	110-111	0.087	0.174
23-24	0.085	0.189	112-113	0.098	0.184
25-26	0.087	0.182	114-115	0.103	0.188
27-28	0.089	0.179	116-117	0.107	0.194
29-30	0.101	0.232	118-119	0.106	0.201

* Couple of connector (requirement × 2).

See insertion loss graphs in appendix 1 page 1.2 to 1.16.

Conclusion :

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Standard RAD GEN CONN 001
 FIPA 024906S

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 35.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 119.

Equipment :

Vector Network Analyser WILLTRON 37269A n°8025 007 0995
 Calibration Kit K WILTRON 3652 n°8039 111 0905

Room temperature :
 20 ± 10 °C

Room humidity :
 25 - 70 % HR

Room pressure :
 860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 24/01/2006

Test description:

VSWR measurements were performed on Vector Network Analyser according to test procedures FIPA 024906S, Radiall generic specification RAD GEN CONN 001 § 9.16 and the following conditions.

- Temperature : room temperature
- Frequency range : 0 to 18 GHz
- Number of points : 401
- Calibration : full two ports

Requirements : 1.05 + 0.005 * Frequency (GHz) max. from 0 to 5 GHz (1.075 at 5GHz).
 : 1.10 + 0.010 * Frequency (GHz) max. from 5 to 18 GHz (1.280 at 18.0 GHz).

To perform the VSWR measurements, the connectors were put back to back thanks to a centring tool as described for insertion loss.

Results :

See VSWR graphs in appendix 2 page 2.2 to 2.31.

See VSWR chart on next page.

Results :

VSWR max in frequency range on batch 05-34A (dB)

Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz	Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz
1	1.035	1.087	19	1.020	1.074
2	1.023	1.051	20	1.031	1.073
3	1.028	1.108	21	1.025	1.066
4	1.018	1.078	22	1.034	1.065
5	1.029	1.090	23	1.028	1.078
6	1.021	1.085	24	1.036	1.066
7	1.024	1.102	25	1.034	1.090
8	1.029	1.100	26	1.023	1.059
9	1.053	1.083	27	1.030	1.083
10	1.057	1.085	28	1.023	1.083
11	1.033	1.063	29	1.035	1.088
12	1.038	1.055	30	1.040	1.090
13	1.031	1.115	31	1.032	1.106
14	1.019	1.107	32	1.028	1.087
15	1.024	1.078	33	1.026	1.078
16	1.032	1.080	34	1.034	1.071
17	1.037	1.097	35	1.024	1.125
18	1.037	1.077			

VSWR max in frequency range on batch 05-40A (dB)

Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz	Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz
95	1.026	1.124	108	1.022	1.120
96	1.028	1.156	109	1.027	1.112
97	1.022	1.155	110	1.031	1.120
98	1.023	1.109	111	1.023	1.113
99	1.028	1.096	112	1.022	1.064
100	1.027	1.085	113	1.026	1.054
101	1.026	1.075	114	1.034	1.110
102	1.024	1.097	115	1.025	1.097
103	1.024	1.084	116	1.033	1.070
104	1.037	1.091	117	1.026	1.057
105	1.028	1.086	118	1.035	1.087
106	1.033	1.096	119	1.027	1.088
107	1.022	1.080			

Conclusion :

Pass.

Specification :

MIL-STD 202 G method 107

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 94.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 162.

Equipment :

Climatic chamber VÖTSCH VT7012 S2 LCE n°0230

Room temperature :
 $20 \pm 10 \text{ }^\circ\text{C}$
Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Decembre J.

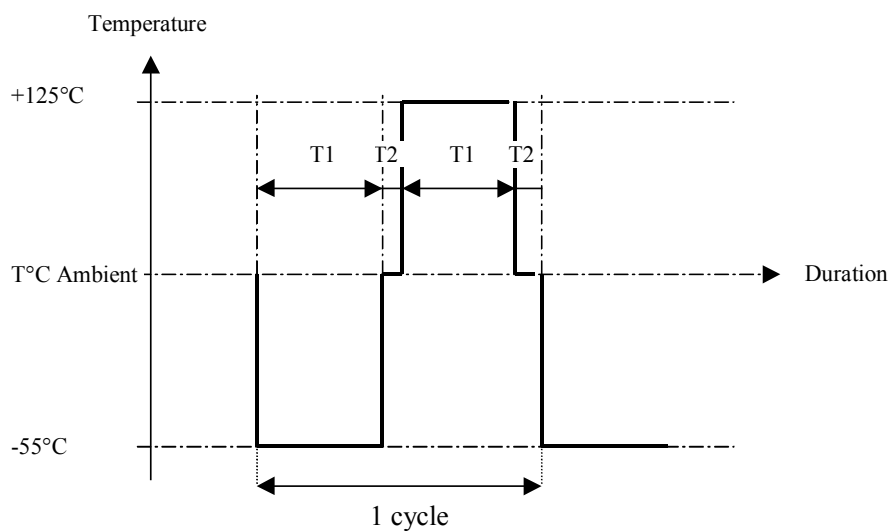
Department : LCE laboratory

Date of test : 26 to 27/01/20069

Test description :

The thermal shocks test was performed according to standard MIL-STD 202 G method 107 condition B and following conditions :

- Maximum temperature: $+105^\circ\text{C}$.
- Minimum temperature: -55°C .
- Duration transfer : < 1 minute
- Stage duration: 15 minutes.
- Number of cycles: 50.



T1 : Duration exposure 15 minutes

T2 : Duration transfer < 1 minute

Results :

See LCE report in appendix 3 page 3.1 to 3.8.

On sample N°138, the tab contact was broken due to a wrong handling by the operator during the installation of the test.

See notice of anomaly N°1 in appendix 4 page 4.2.

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
Technical data sheet R125612140X
Test method standard MIL-STD-202 G

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 94.
Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 162.

Equipment :

Dielectrimeter SEFELEC MPC316 n°8064 007 1091

Room temperature :

20 ± 10 °C

Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 30/01/2006

Test description:

The voltage withstanding test was performed according to standard MIL-STD-202 G method 301 with the following conditions :

- Voltage : 1000 Vrms.
- Duration : 1 minute minimum.
- The test voltage was applied on uncabled connectors between centre contact and shell.

Requirement : 1000V with no leakage current ≥ 2 mA. Pass or fail.

Results :

Pass for all samples.

Tests / Samples	Batch 05-34A / N°1 to 94	Batch 05-40A / N°95 to 162
Dielectric withstanding voltage (1000 Vrms)	Pass	Pass

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
Technical data sheet R125612140X
Test method standard MIL-STD-202 G

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 94.
Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 162.

Equipment :

Dielectrimeter SEFELEC MPC316 n°8064 007 1091

Room temperature :

20 ± 10 °C

Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 30/01/2006

Test description:

The insulation resistance test was performed according to standard MIL-STD-202 G method 302 condition B with the following conditions :

- Voltage : 500 V dc.
- Duration before measurement : 1 minute minimum.
- The test voltage was applied on uncabled connectors between centre contact and shell.

Requirement : > 5000 MΩ. Pass or fail.

Results :

Pass for all samples.

Tests / Samples	Batch 05-34A / N°1 to 94	Batch 05-40A / N°95 to 162
Insulation resistance (> 5000 MΩ.)	Pass	Pass

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Test method standard MIL-PRF-39012
 Standard RAD DET CONN 003

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°36 to 94.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°120 to 162. (except N°138).

Equipment :

Microhmmeter SEFELEC MGR10 n° 80630040106

Room temperature :
 20 ± 10 °C

Room humidity :
 25 - 70 % HR

Room pressure :
 860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 31/01/2006

Test description:

The contact resistance test was performed according to standard MIL-PRF-39012 paragraph 4.7.13 method B with the conditions described page 7.

Results :

Contact resistance on batch 05-40A (mΩ)

Sample	Centre contact	Shell contact	Sample	Centre contact	Shell contact
Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ	Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ
N°120	2.36	0.70	N°142	2.37	0.77
N°121	2.50	0.69	N°143	2.35	0.82
N°122	2.39	0.70	N°144	2.28	0.68
N°123	2.39	0.63	N°145	2.41	0.73
N°124	2.30	0.72	N°146	2.53	0.70
N°125	2.49	0.70	N°147	2.32	0.75
N°126	2.17	0.73	N°148	2.41	0.80
N°127	2.27	0.69	N°149	2.39	0.77
N°128	2.42	0.72	N°150	2.30	0.81
N°129	2.30	0.69	N°151	2.51	0.78
N°130	2.50	0.82	N°152	2.41	0.72
N°131	2.40	0.75	N°153	2.42	0.79
N°132	2.35	0.83	N°154	2.39	0.87
N°133	2.34	0.80	N°155	2.40	0.90
N°134	2.30	0.68	N°156	2.33	0.89
N°135	2.57	0.75	N°157	2.42	0.79
N°136	2.30	0.80	N°158	2.45	0.85
N°137	2.20	0.75	N°159	2.40	0.87
N°138	N.A.	N.A.	N°160	2.29	0.82
N°139	2.23	0.80	N°161	2.30	0.77
N°140	2.40	0.77	N°162	2.57	0.71
N°141	2.32	0.74			

Contact resistance on batch 05-34A (mΩ)

Sample	Centre contact	Shell contact	Sample	Centre contact	Shell contact
Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ	Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ
N°36	2.24	0.57	N°66	2.43	0.50
N°37	2.22	0.58	N°67	2.36	0.59
N°38	2.18	0.47	N°68	2.35	0.58
N°39	2.31	0.51	N°69	2.39	0.59
N°40	2.15	0.54	N°70	2.40	0.63
N°41	2.09	0.46	N°71	2.46	0.57
N°42	2.02	0.49	N°72	2.38	0.49
N°43	2.38	0.50	N°73	2.45	0.56
N°44	2.20	0.47	N°74	2.12	0.58
N°45	2.29	0.47	N°75	2.40	0.55
N°46	2.06	0.53	N°76	2.12	0.59
N°47	2.01	0.52	N°77	2.15	0.52
N°48	2.01	0.54	N°78	2.57	0.55
N°49	1.96	0.51	N°79	2.52	0.59
N°50	2.10	0.46	N°80	2.30	0.57
N°51	2.32	0.47	N°81	2.35	0.52
N°52	2.41	0.54	N°82	2.18	0.64
N°53	2.15	0.54	N°83	2.16	0.66
N°54	2.32	0.45	N°84	2.40	0.70
N°55	2.15	0.52	N°85	2.36	0.62
N°56	2.14	0.48	N°86	2.43	0.63
N°57	2.16	0.54	N°87	2.39	0.60
N°58	2.44	0.50	N°88	2.40	0.65
N°59	2.15	0.49	N°89	2.30	0.65
N°60	2.05	0.62	N°90	2.40	0.65
N°61	2.30	0.47	N°91	2.45	0.66
N°62	2.42	0.54	N°92	2.47	0.70
N°63	2.49	0.57	N°93	2.54	0.68
N°64	2.33	0.59	N°94	2.40	0.71
N°65	2.38	0.47			

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Standard RAD GEN CONN 001
 FIPA 024906S

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 35.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 119.

Equipment :

Vector Network Analyser WILLTRON 37269A n°8025 007 0995
 Calibration Kit K WILTRON 3652 n°8039 111 0905

Room temperature :
 20 ± 10 °C

Room humidity :
 25 - 70 % HR

Room pressure :
 860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 07/02/2006

Test description:

Insertion loss measurements were performed on Vector Network Analyser as described page 10 and 11.

Requirements : $0.03 * \sqrt{\text{Frequency(GHz)}}$ dB max. from 0 to 5GHz (0.067dB at 5 GHz).

: $0.05 * \sqrt{\text{Frequency(GHz)}}$ dB max. from 5 to 18GHz (0.212dB at 18 GHz).

Results :

Insertion loss at frequency point on batch 05-34A and 05-40A(dB)

Couple	5.0 GHz	18.0 GHz	Couple	5.0 GHz	18.0 GHz
Requirement	≤ 0.134 dB *	≤ 0.424 dB *	Requirement	≤ 0.134 dB *	≤ 0.424 dB *
1-2	0.077	0.163	31-32	0.070	0.162
3-4	0.080	0.218	33-34	0.087	0.179
5-6	0.082	0.183	35-95	0.070	0.156
7-8	0.066	0.156	96-97	0.088	0.176
9-10	0.072	0.161	98-99	0.067	0.151
11-12	0.077	0.167	100-101	0.078	0.164
13-14	0.080	0.166	102-103	0.071	0.167
15-16	0.075	0.165	104-105	0.066	0.160
17-18	0.071	0.165	106-107	0.072	0.160
19-20	0.078	0.174	108-109	0.067	0.148
21-22	0.078	0.172	110-111	0.072	0.160
23-24	0.090	0.186	112-113	0.076	0.169
25-26	0.082	0.173	114-115	0.099	0.177
27-28	0.069	0.160	116-117	0.087	0.178
29-30	0.071	0.164	118-119	0.081	0.180

* Couple of connector (requirement × 2). See insertion loss graphs in appendix 1 page 1.17 to 1.31.

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Standard RAD GEN CONN 001
 FIPA 024906S

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 35.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 119.

Equipment :

Vector Network Analyser WILLTRON 37269A n°8025 007 0995
 Calibration Kit K WILTRON 3652 n°8039 111 0905

Room temperature :
 20 ± 10 °C

Room humidity :
 25 - 70 % HR

Room pressure :
 860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 07/02/2006

Test description:

VSWR measurements were performed on Vector Network as described page 12.

Requirements : 1.05 + 0.005 * Frequency (GHz) max. from 0 to 5 GHz (1.075 at 5GHz).
 : 1.10 + 0.010 * Frequency (GHz) max. from 5 to 18 GHz (1.280 at 18.0 GHz).

Results :

VSWR max in frequency range on batch 05-34A (dB)

Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz	Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz
1	1.030	1.080	19	1.025	1.066
2	1.024	1.052	20	1.025	1.060
3	1.034	1.118	21	1.023	1.057
4	1.027	1.103	22	1.027	1.088
5	1.033	1.085	23	1.027	1.067
6	1.023	1.088	24	1.028	1.094
7	1.023	1.102	25	1.037	1.090
8	1.025	1.097	26	1.024	1.066
9	1.052	1.079	27	1.031	1.087
10	1.056	1.075	28	1.023	1.089
11	1.027	1.059	29	1.024	1.091
12	1.034	1.054	30	1.021	1.095
13	1.036	1.114	31	1.032	1.093
14	1.024	1.101	32	1.032	1.067
15	1.022	1.071	33	1.019	1.072
16	1.026	1.069	34	1.028	1.088
17	1.035	1.094	35	1.024	1.096
18	1.027	1.071			

VSWR max in frequency range on batch 05-40A (dB)

Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz	Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz
95	1.019	1.090	108	1.024	1.103
96	1.038	1.074	109	1.024	1.091
97	1.030	1.073	110	1.034	1.114
98	1.024	1.087	111	1.025	1.109
99	1.028	1.089	112	1.023	1.058
100	1.031	1.078	113	1.026	1.086
101	1.021	1.070	114	1.037	1.113
102	1.026	1.078	115	1.027	1.104
103	1.020	1.106	116	1.034	1.064
104	1.038	1.092	117	1.026	1.060
105	1.028	1.091	118	1.035	1.093
106	1.033	1.091	119	1.027	1.096
107	1.022	1.074			

See VSWR graphs in appendix 2 page 2.31 to 2.61.

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Standard RAD GEN CONN 001
 FIPA 024906S

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 35.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 119.

Equipment :

Vector Network Analyser WILLTRON 37269A n°8025 007 0995
 Calibration Kit K WILTRON 3652 n°8039 111 0905

Room temperature :
 20 ± 10 °C

Room humidity :
 25 - 70 % HR

Room pressure :
 860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 08 to 09/02/2006

Test description:

The RF measurements at high and low temperature were performed with the same conditions as ambient temperature. The sample were put in a climatic chamber at least 2 hours of stabilisation before to be measured.

Insertion loss measurements were performed on Vector Network Analyser according to test procedures FIPA 024906S, Radiall generic specification RAD GEN CONN 001 § 9.19 and the following conditions.

- Temperature : - 40 and + 100°C
- Frequency range : 0 to 18 GHz
- Number of points : 401
- Calibration : full two ports

Requirements : $0.03 * \sqrt{\text{Frequency}(\text{GHz})}$ dB max. from 0 to 5GHz (0.067dB at 5 GHz).

: $0.05 * \sqrt{\text{Frequency}(\text{GHz})}$ dB max. from 5 to 18GHz (0.212dB at 18 GHz).

VSWR measurements were performed on Vector Network Analyser according to test procedures FIPA 024906S, Radiall generic specification RAD GEN CONN 001 § 9.16 and the following conditions.

- Temperature : - 40 and + 100°C
- Frequency range : 0 to 18 GHz
- Number of points : 401
- Calibration : full two ports

Requirements : $1.05 + 0.005 * \text{Frequency}(\text{GHz})$ max. from 0 to 5 GHz (1.075 at 5GHz).

: $1.10 + 0.010 * \text{Frequency}(\text{GHz})$ max. from 5 to 18 GHz (1.280 at 18.0 GHz).

Results :

- Results of RF measurements at **low temperature : -40°C**

Insertion loss at frequency point on batch 05-34A and 05-40A(dB)

Couple	5.0 GHz	18.0 GHz	Couple	5.0 GHz	18.0 GHz
Requirement	≤ 0.134 dB *	≤ 0.424 dB *	Requirement	≤ 0.134 dB *	≤ 0.424 dB *
1-2	0.065	0.148	31-32	0.061	0.144
3-4	0.064	0.164	33-34	0.073	0.161
5-6	0.086	0.184	35-95	0.063	0.145
7-8	0.066	0.151	96-97	0.084	0.170
9-10	0.066	0.156	98-99	0.067	0.157
11-12	0.074	0.160	100-101	0.075	0.153
13-14	0.079	0.171	102-103	0.065	0.158
15-16	0.078	0.167	104-105	0.061	0.149
17-18	0.071	0.156	106-107	0.065	0.146
19-20	0.077	0.172	108-109	0.060	0.130
21-22	0.073	0.165	110-111	0.061	0.134
23-24	0.081	0.176	112-113	0.067	0.152
25-26	0.075	0.165	114-115	0.088	0.152
27-28	0.065	0.154	116-117	0.078	0.156
29-30	0.066	0.163	118-119	0.073	0.160

* Couple of connector (requirement × 2).

VSWR max in frequency range on batch 05-34A (dB)

Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz	Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz
1	1.030	1.077	19	1.022	1.076
2	1.027	1.097	20	1.026	1.094
3	1.030	1.109	21	1.022	1.106
4	1.024	1.142	22	1.028	1.136
5	1.032	1.075	23	1.031	1.123
6	1.022	1.071	24	1.033	1.151
7	1.021	1.081	25	1.035	1.088
8	1.025	1.098	26	1.024	1.108
9	1.052	1.084	27	1.028	1.063
10	1.056	1.110	28	1.020	1.091
11	1.027	1.058	29	1.025	1.113
12	1.034	1.083	30	1.021	1.144
13	1.035	1.097	31	1.032	1.090
14	1.024	1.085	32	1.032	1.113
15	1.021	1.101	33	1.020	1.124
16	1.026	1.127	34	1.030	1.140
17	1.033	1.094	35	1.023	1.076
18	1.027	1.073			

VSWR max in frequency range on batch 05-40A (dB)

Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz	Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz
95	1.022	1.085	108	1.023	1.085
96	1.035	1.066	109	1.023	1.096
97	1.027	1.086	110	1.031	1.092
98	1.024	1.107	111	1.022	1.109
99	1.029	1.139	112	1.022	1.117
100	1.028	1.095	113	1.026	1.146
101	1.020	1.119	114	1.035	1.100
102	1.024	1.129	115	1.026	1.081
103	1.019	1.157	116	1.031	1.061
104	1.035	1.078	117	1.024	1.079
105	1.026	1.098	118	1.033	1.071
106	1.031	1.090	119	1.025	1.076
107	1.025	1.114			

- Results of RF measurements at high temperature : +100°C

Insertion loss at frequency point on batch 05-34A and 05-40A(dB)

Couple	5.0 GHz	18.0 GHz	Couple	5.0 GHz	18.0 GHz
Requirement	≤ 0.134 dB *	≤ 0.424 dB *	Requirement	≤ 0.134 dB *	≤ 0.424 dB *
1-2	0.093	0.206	31-32	0.089	0.216
3-4	0.096	0.212	33-34	0.111	0.233
5-6	0.080	0.201	35-95	0.087	0.215
7-8	0.088	0.209	96-97	0.080	0.189
9-10	0.093	0.212	98-99	0.085	0.194
11-12	0.105	0.227	100-101	0.081	0.180
13-14	0.113	0.230	102-103	0.087	0.203
15-16	0.101	0.238	104-105	0.087	0.212
17-18	0.088	0.214	106-107	0.094	0.208
19-20	0.097	0.226	108-109	0.083	0.190
21-22	0.092	0.213	110-111	0.082	0.185
23-24	0.086	0.212	112-113	0.093	0.202
25-26	0.091	0.203	114-115	0.130	0.220
27-28	0.089	0.227	116-117	0.100	0.209
29-30	0.087	0.209	118-119	0.111	0.229

*Couple of connector (requirement × 2).

VSWR max in frequency range on batch 05-34A (dB)

Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz	Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz
1	1.030	1.084	19	1.034	1.062
2	1.021	1.049	20	1.039	1.061
3	1.032	1.096	21	1.035	1.059
4	1.030	1.058	22	1.039	1.043
5	1.028	1.111	23	1.026	1.094
6	1.020	1.098	24	1.025	1.094
7	1.029	1.092	25	1.036	1.086
8	1.032	1.088	26	1.029	1.048
9	1.052	1.075	27	1.031	1.087
10	1.055	1.075	28	1.029	1.073
11	1.036	1.059	29	1.032	1.090
12	1.043	1.047	30	1.035	1.059
13	1.037	1.106	31	1.029	1.092
14	1.027	1.093	32	1.041	1.065
15	1.029	1.068	33	1.029	1.058
16	1.036	1.070	34	1.038	1.053
17	1.046	1.093	35	1.024	1.092
18	1.046	1.070			

VSWR max in frequency range on batch 05-40A (dB)

Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz	Sample / Frequency	0 - 5.0 GHz	5.0- 18.0 GHz
95	1.019	1.086	108	1.021	1.099
96	1.033	1.077	109	1.022	1.087
97	1.027	1.074	110	1.034	1.103
98	1.032	1.086	111	1.025	1.097
99	1.036	1.062	112	1.026	1.054
100	1.026	1.101	113	1.031	1.038
101	1.025	1.088	114	1.040	1.113
102	1.027	1.065	115	1.029	1.101
103	1.023	1.042	116	1.035	1.072
104	1.037	1.082	117	1.026	1.055
105	1.029	1.077	118	1.038	1.091
106	1.033	1.090	119	1.029	1.080
107	1.022	1.069			

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Standard RAD GEN CONN 001
 Standard RAD DET CONN 003
 Standard MIL PRF 39012

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 35.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 119.

Equipment :

Dynamometer ADEMVA CM10 30141020787
 Test range SMA male torque N°91125010

Room temperature :
 20 ± 10 °C

Room humidity :
 25 - 70 % HR

Room pressure :
 860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 13/02/2006

Test description:

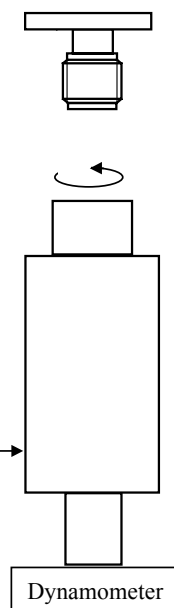
The engage and disengage force test was performed according to standard MIL PRF 39012 § 4.7.2.1 and standard RAD GEN CONN 001 with the following conditions :

During the entire mating or unmating cycle, the necessary torque was not exceed 24 N.cm.

A screw-coupling connector is fully mated with its mating gauge when their reference planes coincide.

MATING AND UNMATING FORCE: 24 N.cm MAX.

Test range: SMA male torque n 91 125 010



Results :

Force to engage and disengage on batch 05-34A (N.cm)

Sample	Mating	Unmating	Sample	Mating	Unmating
Requirement	< 24 N.cm		Requirement	< 24 N.cm	
1	< 2	< 2	19	< 2	< 2
2	< 2	< 2	20	< 3	< 2
3	< 2	< 2	21	< 2	< 2
4	< 2	< 2	22	< 2	< 3
5	< 3	< 2	23	< 2	< 2
6	< 2	< 2	24	< 2	< 2
7	< 2	< 2	25	< 2	< 2
8	< 3	< 2	26	< 2	< 2
9	< 2	< 2	27	< 2	< 2
10	< 3	< 2	28	< 2	< 2
11	< 2	< 2	29	< 2	< 3
12	< 2	< 2	30	< 2	< 2
13	< 2	< 3	31	< 2	< 2
14	< 3	< 2	32	< 2	< 2
15	< 2	< 2	33	< 2	< 3
16	< 2	< 2	34	< 2	< 2
17	< 2	< 2	35	< 2	< 3
18	< 2	< 2			

Force to engage and disengage on batch 05-40A (N.cm)

Sample	Mating	Unmating	Sample	Mating	Unmating
Requirement	< 24 N.cm		Requirement	< 24 N.cm	
95	< 2	< 2	108	< 2	< 2
96	< 4	< 3	109	< 2	< 2
97	< 2	< 2	110	< 2	< 2
98	< 3	< 2	111	< 2	< 2
99	< 3	< 2	112	< 3	< 2
100	< 2	< 2	113	< 2	< 2
101	< 2	< 2	114	< 2	< 2
102	< 2	< 2	115	< 3	< 2
103	< 2	< 2	116	< 3	< 2
104	< 2	< 2	117	< 3	< 2
105	< 2	< 3	118	< 3	< 2
106	< 2	< 2	119	< 2	< 3
107	< 2	< 2			

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
Technical data sheet R125612140X
Standard RAD GEN CONN 001
Standard RAD DET CONN 003
Standard MIL PRF 39012

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 35.
Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 119.

Equipment :

Oversize test pin Radiall tool 3009 521 0793
Maximum diameter test pin Radiall tool 3009 524 0793
Minimum diameter test pin Radiall tool 3009 528 1194
Dynamometer CHATILLON force gauge DPP 1 kg n°3012 215 0190

Room temperature :
20 ± 10 °C

Room humidity :
25 - 70 % HR

Room pressure :
860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 14/02/2006

Test description:

The mating characteristics test was performed according to standard MIL PRF 39012 § 4.7.4 and standard RAD GEN CONN 001 § 4.3.8 with the following conditions :

- A Oversize pin :
 - Steel test pin diameter : 0.9525 / 0.955 mm
 - Insertion depth : 0.76 / 1.14 mm
 - Number of insertions : 3
- B Engagement force test (maximum diameter test pin) :
 - Steel test pin diameter : 0.940 / 0.942 mm
 - Engagement depth : 1.27 / 1.91 mm
 - Engagement force : 1360 g max.
- C Separation force test (minimum diameter test pin):
 - Steel test pin diameter : 0.902 / 0.904 mm
 - Separation depth : 1.27 / 1.91 mm
 - Separation force : 28.4 g min

Results :

- A Oversize pin : Nothing to report
- B Engagement force test : Pass for all sample (see table on next page).
- C Separation force test : Pass for all samples

Engagement force test on batch 05-34A (g)

Sample	Engagement	Sample	Engagement
Requirement	< 1360 g	Requirement	< 1360 g
1	470	19	530
2	450	20	400
3	640	21	460
4	430	22	580
5	450	23	560
6	430	24	510
7	570	25	470
8	580	26	440
9	430	27	410
10	610	28	430
11	540	29	510
12	500	30	600
13	570	31	590
14	420	32	490
15	540	33	520
16	530	34	630
17	440	35	540
18	400		

Engagement force test on batch 05-40A (g)

Sample	Engagement	Sample	Engagement
Requirement	< 1360 g	Requirement	< 1360 g
95	460	108	440
96	450	109	470
97	480	110	540
98	500	111	390
99	500	112	530
100	560	113	490
101	520	114	490
102	470	115	470
103	420	116	430
104	480	117	480
105	550	118	460
106	460	119	430
107	410		

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
Technical data sheet R125612140X
Standard RAD GEN CONN 001
Standard RAD DET CONN 003
Standard MIL PRF 39012

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 35.
Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 119.

Equipment :

SMA socket calliper Type 532 n° VCOH 0201 019
Dynamometer CHATILLON force gauge DPP 1 kg n°3012 215 0190

Room temperature :
20 ± 10 °C

Room humidity :
25 - 70 % HR

Room pressure :
860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 14/02/2006

Test description:

The centre contact retention test was performed according to standard MIL PRF 39012 § 4.7.9 and standard RAD GEN CONN 001 § 9.6 with the following conditions :

- A axial (*) force of 27 N was applied on the centre contact in one direction. The inner contact was inspected and the interface dimensions were measured.
- A axial (*) force of 27 N was applied on the centre contact in the opposite direction. The inner contact was inspected and the interface dimensions were measured.

Requirement :

No displacement of the inner contact out of specified interface dimensions.
Interface dimensions shall be conform to the detail specification.
Centre contact 0 / -0.25 mm.

* Rotational forces test was not applicable on this type on connector.

Results :

Nothing to report.
See table on next page.

Results :

Interface dimensions of centre contact on batch 05-34A (mm)

Sample	One direction	Opposite direction	Sample	One direction	Opposite direction
Requirement	0 / -0.25 mm		Requirement	0 / -0.25 mm	
1	-0.09	-0.09	19	-0.11	-0.11
2	-0.11	-0.11	20	-0.09	-0.09
3	-0.10	-0.10	21	-0.11	-0.11
4	-0.12	-0.12	22	-0.11	-0.11
5	-0.11	-0.11	23	-0.10	-0.10
6	-0.16	-0.16	24	-0.09	-0.09
7	-0.11	-0.11	25	-0.10	-0.10
8	-0.13	-0.13	26	-0.11	-0.11
9	-0.11	-0.12	27	-0.09	-0.09
10	-0.11	-0.11	28	-0.13	-0.13
11	-0.10	-0.10	29	-0.08	-0.08
12	-0.09	-0.09	30	-0.12	-0.12
13	-0.12	-0.12	31	-0.09	-0.08
14	-0.12	-0.12	32	-0.11	-0.11
15	-0.10	-0.10	33	-0.14	-0.14
16	-0.11	-0.11	34	-0.08	-0.08
17	-0.10	-0.10	35	-0.13	-0.13
18	-0.10	-0.10			

Interface dimensions of centre contact on batch 05-40A (mm)

Sample	One direction	Opposite direction	Sample	One direction	Opposite direction
Requirement	0 / -0.25 mm		Requirement	0 / -0.25 mm	
95	-0.10	-0.10	108	-0.12	-0.12
96	-0.12	-0.12	109	-0.14	-0.14
97	-0.08	-0.08	110	-0.14	-0.14
98	-0.09	-0.09	111	-0.12	-0.12
99	-0.11	-0.11	112	-0.09	-0.09
100	-0.10	-0.10	113	-0.11	-0.11
101	-0.12	-0.12	114	-0.14	-0.14
102	-0.11	-0.11	115	-0.12	-0.12
103	-0.12	-0.11	116	-0.08	-0.08
104	-0.13	-0.12	117	-0.09	-0.09
105	-0.13	-0.13	118	-0.10	-0.10
106	-0.12	-0.12	119	-0.13	-0.13
107	-0.12	-0.12			

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Standard RAD GEN CONN 001
 Standard RAD DET CONN 003
 Standard MIL PRF 39012

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°1 to 35.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°95 to 119.

Equipment :

Wrench SMA torque RADIALL 110 N*cm n° 1030 139 0204
 Dynamometer ADEMVA CM10 3014 102 0787
 Test range SMA male torque N°91125010

Room temperature :

20 ± 10 °C

Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 14/02 to 22/03/2006

Test description:

The connector durability test was performed according to standard MIL PRF 39012 § 4.7.12 and generic RAD-GEN-CONN-001 § 9.18. with the following conditions :

- Number of mating unmating cycles : 500.
- Rate : 12 cycles maximum/minute.
- Coupling torque : 100 N*cm .
- The connector and its mating part were completely mated and completely unmated during the cycle.
- Each connector under test was mated with a typical production mating connector.

Requirements :

- Visual inspection : After the test, the connectors shall be visually examined and, except for contact and thread wear, there shall be no evidence of damage.
- Mating / unmating force ≤ 24N.cm (as described page 26).

Results :

- Visual inspection after a complete cleaning : except for contact and thread wear, there was no evidence of damage on all samples.

Some photos of samples after durability test

Sample N°1 batch 05-34A



Sample N°2 batch 05-34A



Visual inspection on some sample

Sample N°10 batch 05-34A



Sample N°20 batch 05-34A



Sample N°30 batch 05-34A



Sample N°95 batch 05-40A



Sample N°108 batch 05-40A



Sample N°119 batch 05-40A



- Mating / unmating force $\leq 24\text{N.cm}$

Force to engage and disengage on batch 05-34A (N.cm)

Sample	Mating	Unmating	Sample	Mating	Unmating
Requirement	< 24 N.cm		Requirement	< 24 N.cm	
1	< 2	< 2	19	< 2	< 2
2	< 2	< 2	20	< 2	< 2
3	< 2	< 2	21	< 2	< 2
4	< 2	< 2	22	< 2	< 2
5	< 2	< 2	23	< 2	< 2
6	< 2	< 2	24	< 2	< 2
7	< 2	< 2	25	< 3	< 3
8	< 2	< 2	26	< 2	< 2
9	< 2	< 2	27	< 2	< 2
10	< 2	< 2	28	< 2	< 2
11	< 2	< 2	29	< 3	< 3
12	< 2	< 2	30	< 2	< 2
13	< 2	< 2	31	< 2	< 2
14	< 2	< 2	32	< 2	< 2
15	< 2	< 2	33	< 2	< 2
16	< 2	< 2	34	< 2	< 2
17	< 2	< 2	35	< 2	< 2
18	< 2	< 2			

Force to engage and disengage on batch 05-40A (N.cm)

Sample	Mating	Unmating	Sample	Mating	Unmating
Requirement	< 24 N.cm		Requirement	< 24 N.cm	
95	< 2	< 2	108	< 2	< 2
96	< 3	< 3	109	< 2	< 2
97	< 2	< 2	110	< 2	< 2
98	< 2	< 2	111	< 2	< 2
99	< 2	< 2	112	< 2	< 2
100	< 2	< 2	113	< 2	< 2
101	< 2	< 2	114	< 2	< 2
102	< 2	< 2	115	< 2	< 2
103	< 2	< 2	116	< 2	< 2
104	< 2	< 2	117	< 2	< 2
105	< 2	< 2	118	< 2	< 2
106	< 2	< 2	119	< 2	< 2
107	< 5	< 5			

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
Technical data sheet R125612140X
Test method standard MIL-STD-202 G

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°36 to 70.
Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°120 to 144.

Equipment :

Climatic chamber MPC type FO n°3053 017 0583

Room temperature :

20 ± 10 °C

Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 08/02 to 15/02/2006

Test description:

The steady state humidity test was performed according to standard MIL-STD 202 G method 103 condition B and following conditions :

- Temperature : +40°C.
- Humidity : 90 to 95% R.H..
- Duration : 168 hours

Results :

Nothing to report.

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
Technical data sheet R125612140X
Test method standard MIL-STD-202 G

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°36 to 70.
Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°120 to 144.

Equipment :

Dielectrimeter SEFELEC MPC316 n°8064 007 1091

Room temperature :

20 ± 10 °C

Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 16/02/2006

Test description:

The voltage withstanding test was performed according to standard MIL-STD-202 G method 301 with the following conditions :

- Voltage : 1000 Vrms.
- Duration : 1 minute minimum.
- The test voltage was applied on uncabled connectors between centre contact and shell.

Requirement : 1000V with no leakage current ≥ 2 mA. Pass or fail.

Results :

Pass for all samples.

Tests / Samples	Batch 05-34A / N°36 to 70	Batch 05-40A / N°120 to 144
Dielectric withstanding voltage (1000 Vrms)	Pass	Pass

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
Technical data sheet R125612140X
Test method standard MIL-STD-202 G

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°36 to 70.
Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°120 to 144.

Equipment :

Dielectrimeter SEFELEC MPC316 n°8064 007 1091

Room temperature :

20 ± 10 °C

Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 16/02/2006

Test description:

The insulation resistance test was performed according to standard MIL-STD-202 G method 302 condition B with the following conditions :

- Voltage : 500 V dc.
- Duration before measurement : 1 minute minimum.
- The test voltage was applied on uncabled connectors between centre contact and shell.

Requirement : > 5000 MΩ. Pass or fail.

Results :

Pass for all samples.

Tests / Samples	Batch 05-34A / N°36 to 70	Batch 05-40A / N°120 to 144
Insulation resistance (> 5000 MΩ.)	Pass	Pass

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Test method standard MIL-PRF-39012
 Standard RAD DET CONN 003

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°36 to 70.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°120 to 144.

Equipment :

Microhmmeter SEFELEC MGR10 n° 80630040106

Room temperature :
 20 ± 10 °C

Room humidity :
 25 - 70 % HR

Room pressure :
 860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 17/02/2006

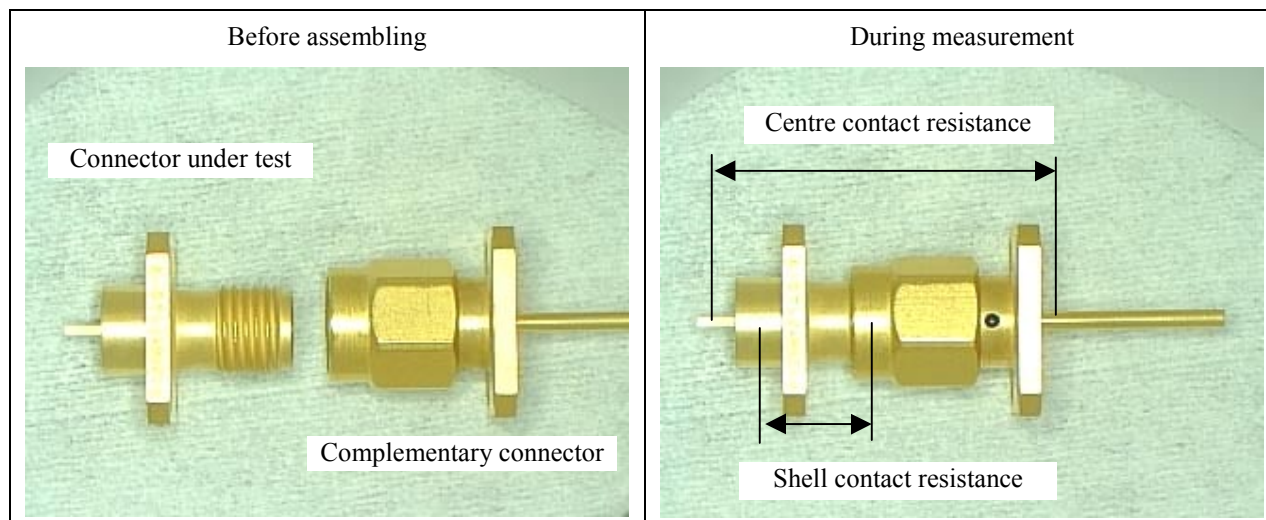
Test description:

The contact resistance test was performed according to standard MIL-PRF-39012 paragraph 4.7.13 method B with following conditions :

- Measurement current : 50mA
- Nominal DC potential on open circuit : 5 V
- Measurement was performed with complementary connector.

Requirement :

- Centre contact ≤ 3.0 mΩ
- Shell contact ≤ 2.0 mΩ

Points of measurements


Results :

Contact resistance on batch 05-34A (mΩ)

Sample	Centre contact	Shell contact	Sample	Centre contact	Shell contact
Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ	Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ
N°36	2.55	0.57	N°54	2.69	0.72
N°37	2.54	0.53	N°55	2.50	0.59
N°38	2.51	0.73	N°56	2.55	0.55
N°39	2.54	0.69	N°57	2.57	0.57
N°40	2.60	0.71	N°58	2.54	0.66
N°41	2.59	0.63	N°59	2.46	0.67
N°42	2.47	0.67	N°60	2.45	0.83
N°43	2.45	0.70	N°61	2.70	0.73
N°44	2.70	0.53	N°62	2.61	0.67
N°45	2.59	0.65	N°63	2.51	0.58
N°46	2.38	0.50	N°64	2.62	0.55
N°47	2.41	0.57	N°65	2.47	0.53
N°48	2.44	0.53	N°66	2.70	0.52
N°49	2.60	0.39	N°67	2.50	0.58
N°50	2.27	0.58	N°68	2.59	0.53
N°51	2.55	0.56	N°69	2.58	0.57
N°52	2.69	0.70	N°70	2.50	0.70
N°53	2.68	0.77			

Contact resistance on batch 05-40A (mΩ)

Sample	Centre contact	Shell contact	Sample	Centre contact	Shell contact
Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ	Requirement	≤ 3.0 mΩ	≤ 2.0 mΩ
N°120	2.66	0.75	N°133	2.50	0.75
N°121	2.62	0.65	N°134	2.34	0.62
N°122	2.70	0.72	N°135	2.40	0.57
N°123	2.60	0.64	N°136	2.60	0.59
N°124	2.52	0.63	N°137	2.42	0.57
N°125	2.61	0.74	N°138	N.A.	N.A.
N°126	2.56	0.73	N°139	2.68	0.52
N°127	2.66	0.70	N°140	2.49	0.70
N°128	2.47	0.69	N°141	2.72	0.63
N°129	2.51	0.67	N°142	2.61	0.71
N°130	2.69	0.57	N°143	2.65	0.80
N°131	2.58	0.82	N°144	2.60	0.72
N°132	2.78	0.80			

Conclusion :

Pass.

Specification :

ASTRA Microwave products order N°4520001573
 Technical data sheet R125612140X
 Standard RAD DET CONN 003
 Radiall FIQ T 4 C 041

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°71 to 87.
 Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°145 to 157.

Equipment :

Digital calliper MITUTOYO type ID-150M n°3002 116 0586
 Digital calliper MITUTOYO 0-25mm n°3001 142 1190
 Digital calliper MITUTOYO n°3000182 0699
 Digital calliper MITUTOYO type NTD10P-15 n°3000 101 1194
 Fischer scope 1600 X9AL N°020 7552

Room temperature :

20 ± 10 °C

Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Bouvier D. / Grandvallet V.

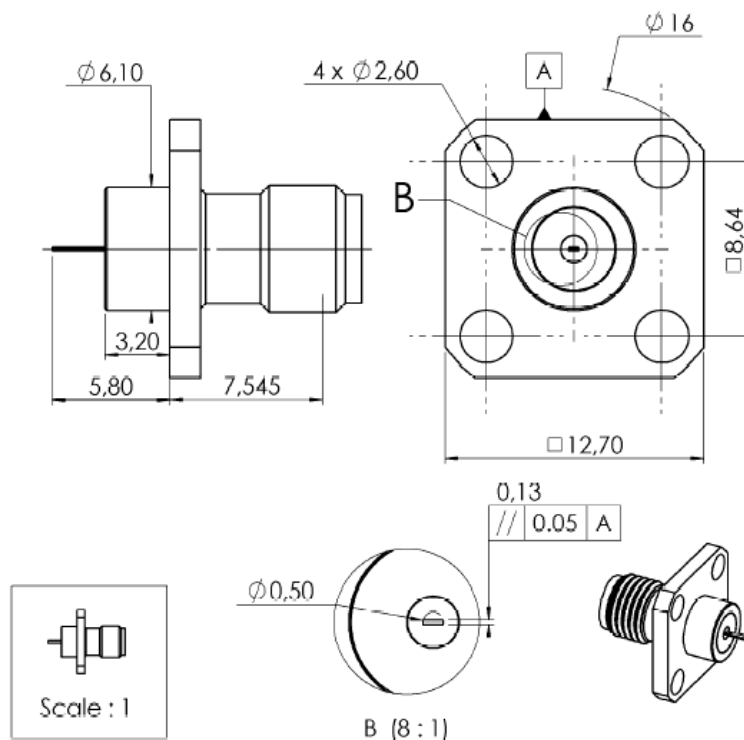
Department : IDA laboratory /
Voreppe plant

Date of test : 03/03 to 09/03/2006

Test description:

In the group III called “microsectioning”, the requirement are the physical dimensions and the gold plating thickness :

- To perform the gold plating thickness test, we use the fluorescence X ray method according to quality instruction file FIQ T 4 C 041, but we must separate the tab contact from the SMA connector. With this method it was not necessary to practice microsectioning.
- Connector dimensions measurements were performed according to RADIALL technical data sheet R125612140X.

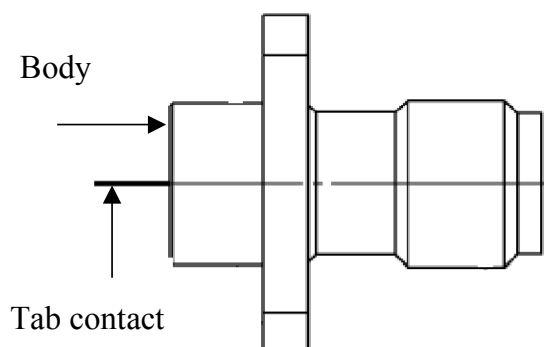


Results :
- Connector dimension

Dimensions (mm)

Dimensions	Ø 6.10	5.80	3.20	7.545	Ø 0.50	0.13	8.64	2.60	Ø 16.0
Min	6.00	5.70	3.10	7.70	0.45	0.11	8.59	2.70	15.90
Max	6.20	5.90	3.30	7.50	0.55	0.15	8.69	2.55	16.10
Samples	Batch 05-34A								
71	6.10	5.82	3.24	7.557	0.51	0.15	Pass	Pass	Pass
72	6.10	5.78	3.22	7.546	0.51	0.15	Pass	Pass	Pass
73	6.08	5.80	3.24	7.553	0.51	0.15	Pass	Pass	Pass
74	6.09	5.80	3.23	7.569	0.52	0.15	Pass	Pass	Pass
75	6.10	5.82	3.26	7.556	0.51	0.15	Pass	Pass	Pass
76	6.11	5.81	3.24	7.551	0.51	0.15	Pass	Pass	Pass
77	6.09	5.79	3.24	7.564	0.52	0.15	Pass	Pass	Pass
78	6.09	5.82	3.24	7.549	0.52	0.15	Pass	Pass	Pass
79	6.08	5.79	3.24	7.552	0.51	0.15	Pass	Pass	Pass
80	6.08	5.80	3.23	7.552	0.52	0.15	Pass	Pass	Pass
81	6.11	5.79	3.23	7.574	0.51	0.15	Pass	Pass	Pass
82	6.08	5.80	3.23	7.547	0.53	0.15	Pass	Pass	Pass
83	6.10	5.82	3.25	7.550	0.50	0.15	Pass	Pass	Pass
84	6.08	5.80	3.22	7.544	0.52	0.15	Pass	Pass	Pass
85	6.09	5.83	3.24	7.559	0.52	0.15	Pass	Pass	Pass
86	6.11	5.83	3.26	7.537	0.50	0.15	Pass	Pass	Pass
87	6.11	5.80	3.24	7.547	0.50	0.15	Pass	Pass	Pass
Samples	Batch 05-40A								
145	6.08	5.77	3.23	7.562	0.51	0.15	Pass	Pass	Pass
146	6.10	5.80	3.24	7.561	0.52	0.15	Pass	Pass	Pass
147	6.11	5.80	3.23	7.544	0.50	0.15	Pass	Pass	Pass
148	6.09	5.79	3.23	7.535	0.53	0.14	Pass	Pass	Pass
149	6.08	5.83	3.27	7.540	0.51	0.15	Pass	Pass	Pass
150	6.09	5.80	3.25	7.545	0.51	0.15	Pass	Pass	Pass
151	6.10	5.83	3.28	7.545	0.49	0.16	Pass	Pass	Pass
152	6.11	5.82	3.27	7.563	0.51	0.14	Pass	Pass	Pass
153	6.09	5.80	3.25	7.547	0.51	0.15	Pass	Pass	Pass
154	6.10	5.84	3.29	7.536	0.51	0.15	Pass	Pass	Pass
155	6.10	5.81	3.24	7.543	0.50	0.14	Pass	Pass	Pass
156	6.08	5.81	3.24	7.549	0.51	0.14	Pass	Pass	Pass
157	6.11	5.79	3.23	7.552	0.50	0.15	Pass	Pass	Pass

- Gold plating thickness measurement

 Points of measurement on samples by fluorescence X ray (μm).


Batch 05-34A			Batch 05-40A		
Sample / point	body	tab contact	Sample N°	body	tab contact
Requirement	> 0.5 μm	> 1.3 μm	Requirement	> 0.5 μm	> 1.3 μm
71	0.76	1.55	145	0.71	1.42
72	0.83	1.51	146	0.74	1.51
73	0.80	1.57	147	0.76	1.45
74	0.78	1.63	148	0.85	1.50
75	0.77	1.48	149	0.81	1.39
76	0.82	1.80	150	0.80	1.36
77	0.81	1.71	151	0.83	1.55
78	0.75	1.41	152	0.70	1.58
79	0.69	1.46	153	0.71	1.34
80	0.76	1.40	154	0.76	1.47
81	0.75	1.55	155	0.73	1.45
82	0.72	1.76	156	0.80	1.40
83	0.83	1.58	157	0.75	1.43
84	0.75	1.57			
85	0.76	1.76			
86	0.75	1.43			
87	0.80	1.68			

Conclusion :

- Connector dimension : Pass.
- Gold plating thickness measurement : Pass.

Specification :

ASTRA Microwave products order N°4520001573
Technical data sheet R125612140X
Standard RAD DET CONN 003
Test method standard MIL-STD-202 G method 208

Sampling :

Square flange receptacle tab contact SMA R125612140X Batch 05-34A N°88 to 94.
Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°158 to 162.

Equipment :

Thermostatic bath

Room temperature :

20 ± 10 °C

Room humidity :

25 - 70 % HR

Room pressure :

860 -1060 mbar

Operator : Bouvier D.

Department : IDA laboratory

Date of test : 02 and 03/03/2006

Test description:

The test was performed in accordance with MIL-STD-202 method 208 with the following conditions. The sample was subjected to an aging process ; it stayed in steam of distilled water for 8 hours, and then it dried at room temperature. Within 18 hours after this test, the solderability test was performed. Flux immersion ; the sample was dipped in flux (non activated flux) at room ambient temperature and drained for 5 to 20 seconds. The sample was dipped into a 63% tin 37 % lead soldering bath at 245°C for 5 seconds. The remaining flux was removed thanks to a isopropyl alcohol before final visual inspection.

Requirement : No visual damage and no any cracking.


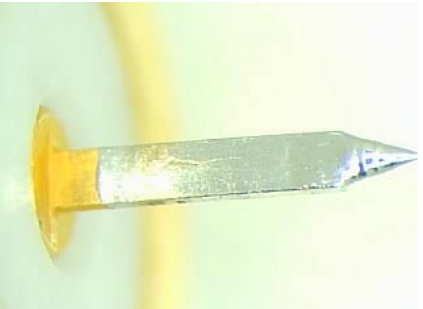
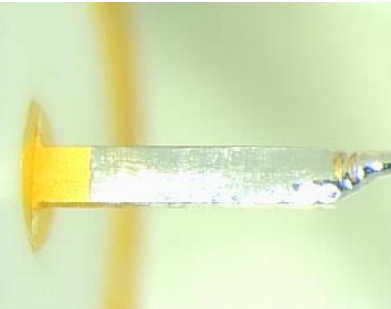
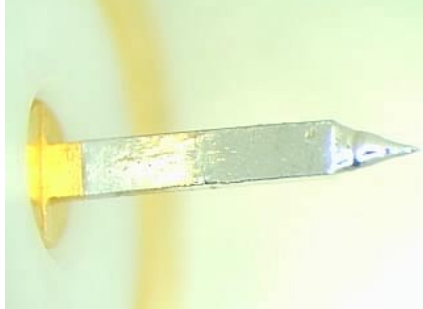
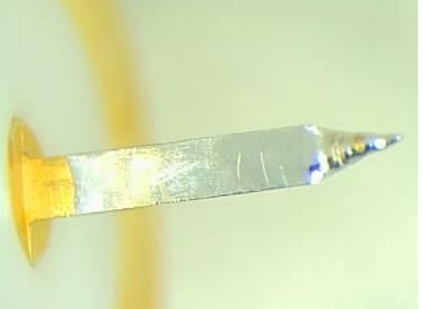
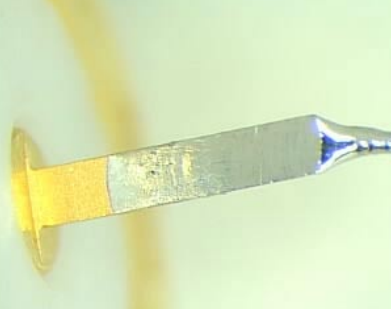
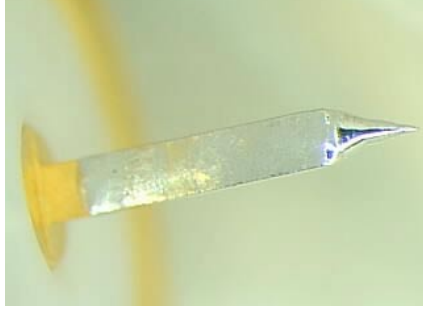
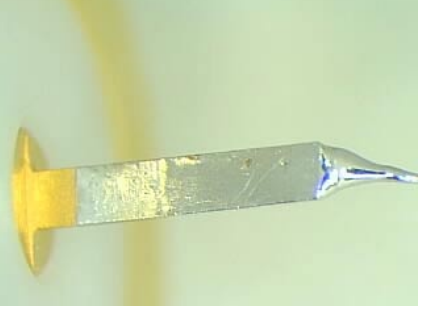
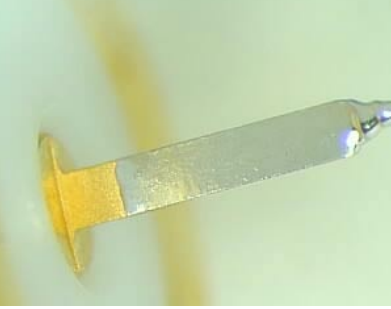
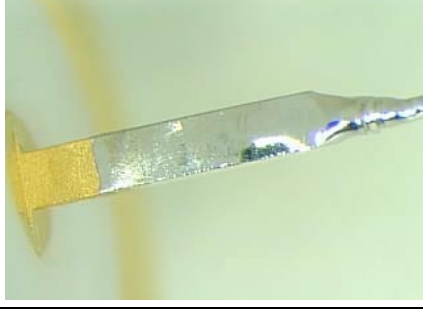
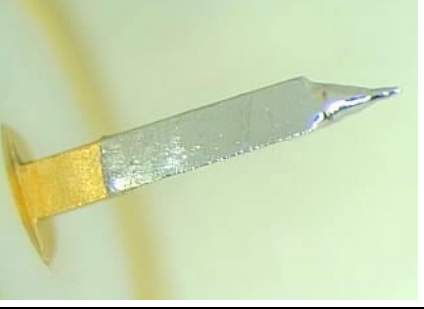
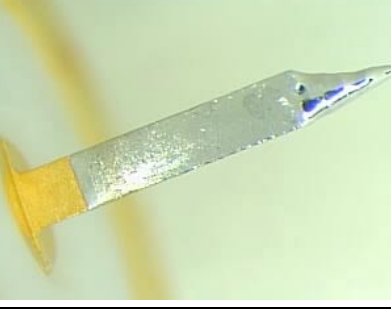
Results :

The samples did not show evidence of damage or cracking.
See photographs on next page.

Conclusion :

Pass.

Visual inspection on tabs after solderability test.

Sample N°88 batch 05-34A 	Sample N°89 batch 05-34A 	Sample N°90 batch 05-34A 
Sample N°91 batch 05-34A 	Sample N°92 batch 05-34A 	Sample N°93 batch 05-34A 
Sample N°94 batch 05-34A 	Sample N°158 batch 05-40A 	Sample N°159 batch 05-40A 
Sample N°160 batch 05-40A 	Sample N°161 batch 05-40A 	Sample N°162 batch 05-40A 

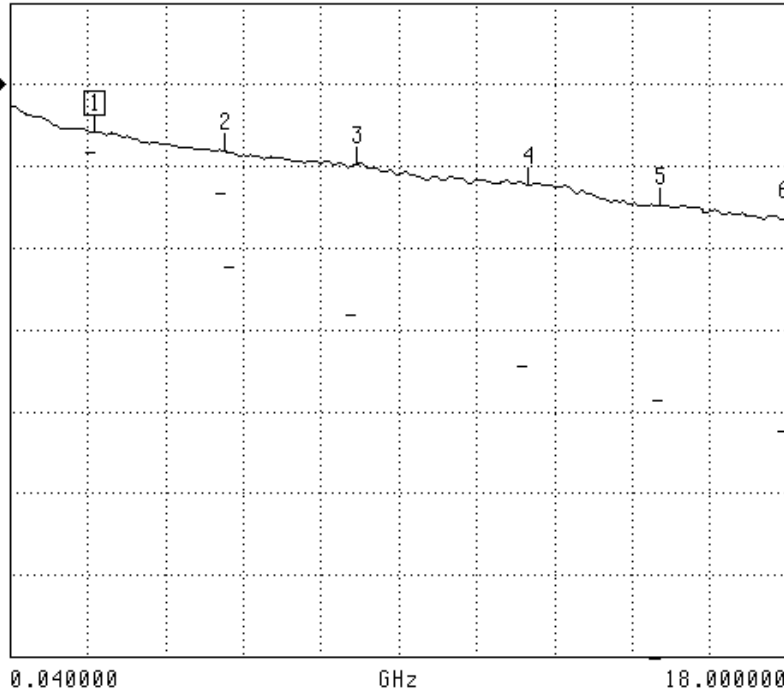
Insertion loss graphs.

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.058 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.082 dB

 3 8.032200 GHz
 -0.098 dB

 4 12.028300 GHz
 -0.123 dB

 5 15.036600 GHz
 -0.148 dB

 6 18.000000 GHz
 -0.165 dB

 MARKER READOUT
 FUNCTIONS

Couple 5/6

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

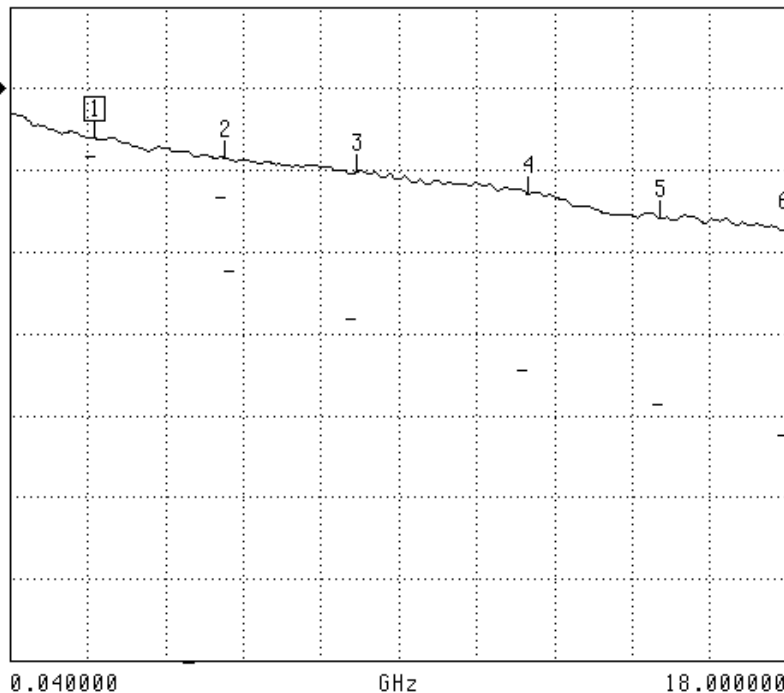
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.061 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.085 dB

 3 8.032200 GHz
 -0.102 dB

 4 12.028300 GHz
 -0.129 dB

 5 15.036600 GHz
 -0.158 dB

 6 18.000000 GHz
 -0.174 dB

 MARKER READOUT
 FUNCTIONS

Couple 7/8

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

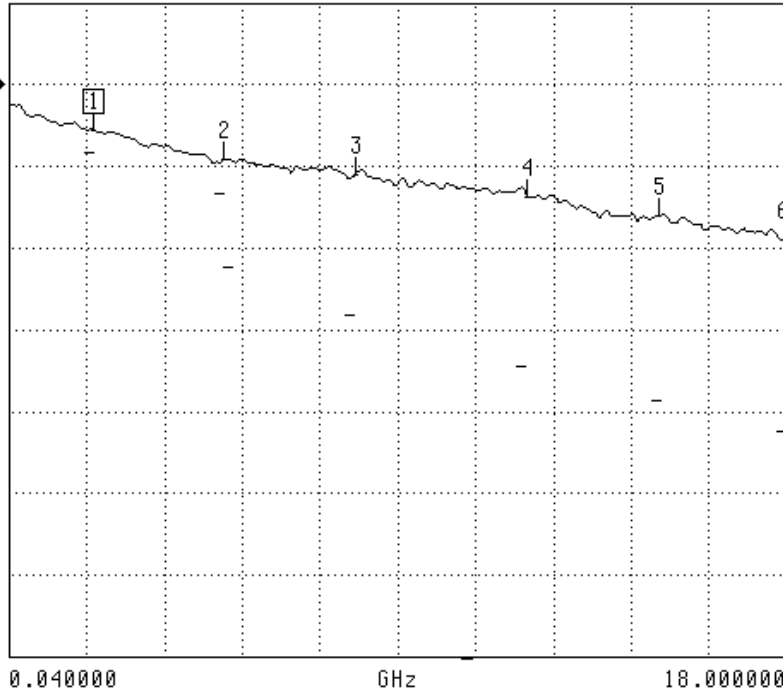
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.055 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.092 dB

 3 8.032200 GHz
 -0.110 dB

 4 12.028300 GHz
 -0.137 dB

 5 15.036600 GHz
 -0.160 dB

 6 18.000000 GHz
 -0.189 dB

 MARKER READOUT
 FUNCTIONS

Couple 9/10

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

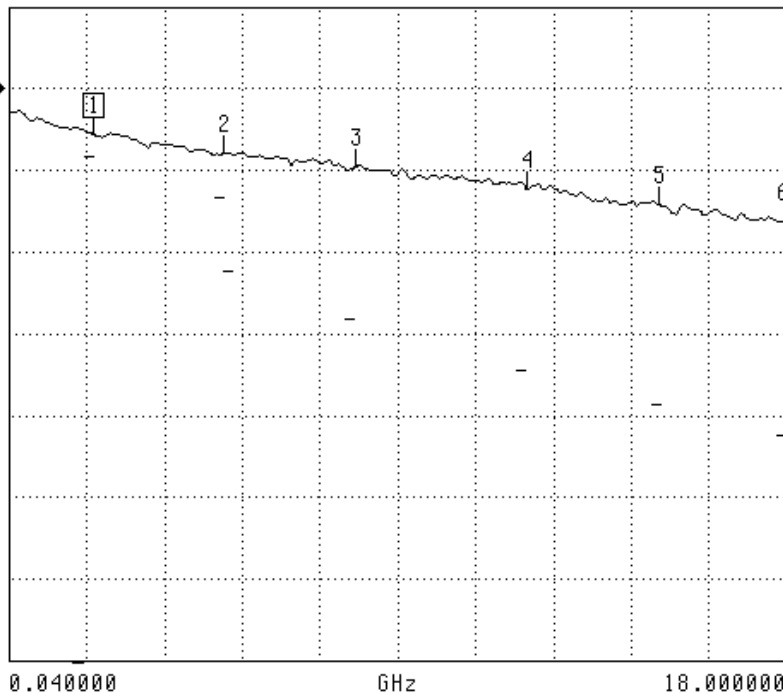
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.057 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.080 dB

 3 8.032200 GHz
 -0.096 dB

 4 12.028300 GHz
 -0.123 dB

 5 15.036600 GHz
 -0.141 dB

 6 18.000000 GHz
 -0.164 dB

 MARKER READOUT
 FUNCTIONS

Couple 11/12

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

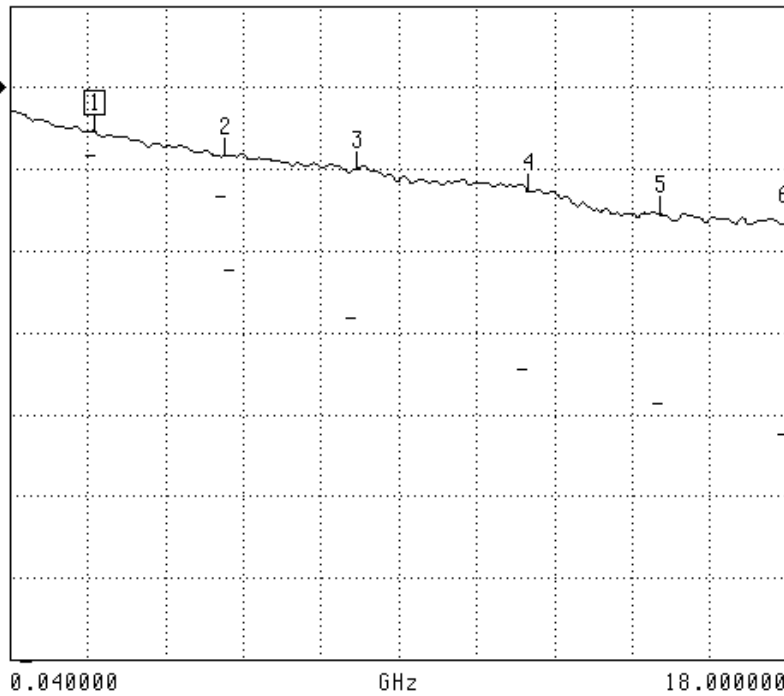
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.054 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.083 dB

 3 8.032200 GHz
 -0.100 dB

 4 12.028300 GHz
 -0.127 dB

 5 15.036600 GHz
 -0.155 dB

 6 18.000000 GHz
 -0.166 dB

 MARKER READOUT
 FUNCTIONS

Couple 13/14

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

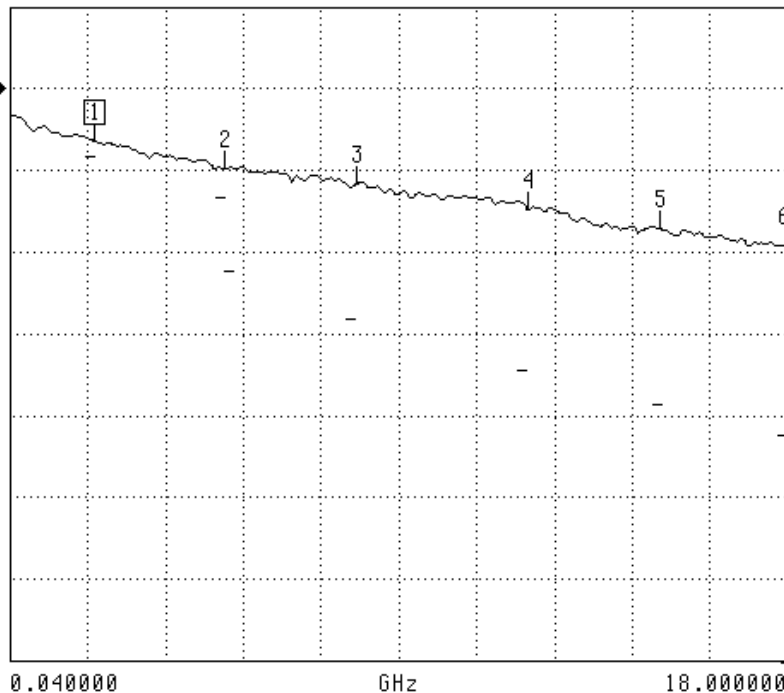
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.064 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.098 dB

 3 8.032200 GHz
 -0.117 dB

 4 12.028300 GHz
 -0.148 dB

 5 15.036600 GHz
 -0.171 dB

 6 18.000000 GHz
 -0.193 dB

 MARKER READOUT
 FUNCTIONS

Couple 15/16

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

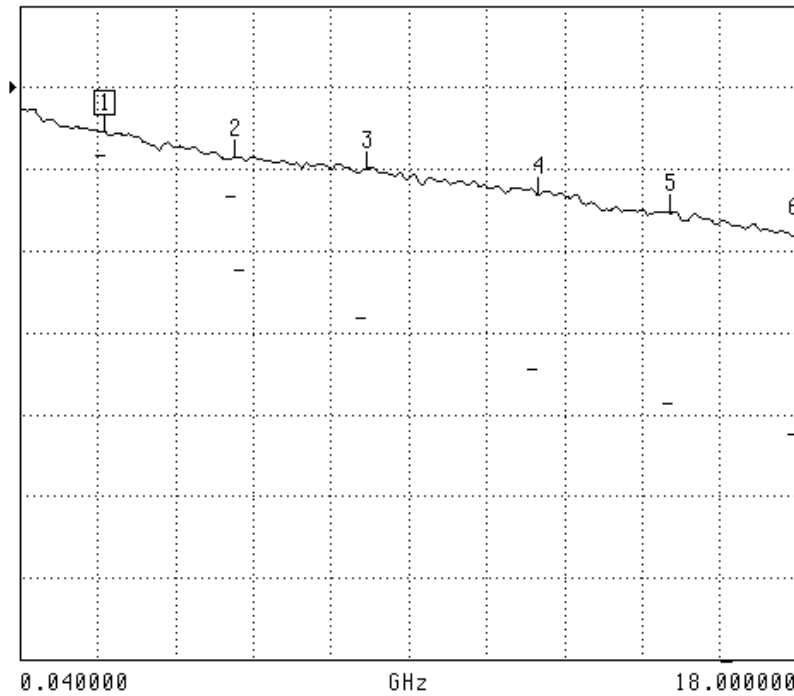
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.055 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.085 dB

 3 8.032200 GHz
 -0.100 dB

 4 12.028300 GHz
 -0.132 dB

 5 15.036600 GHz
 -0.153 dB

 6 18.000000 GHz
 -0.181 dB

 MARKER READOUT
 FUNCTIONS

Couple 17/18

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

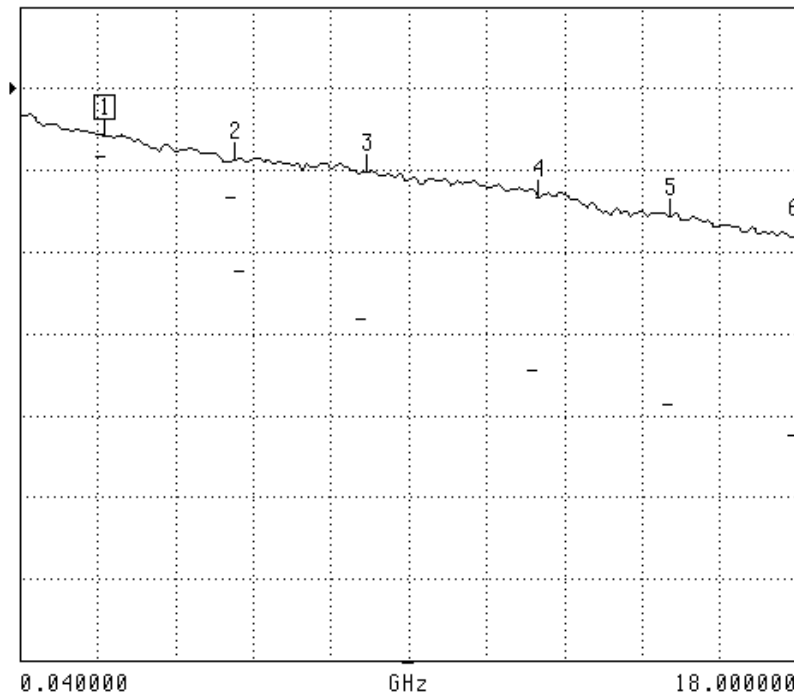
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.057 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.087 dB

 3 8.032200 GHz
 -0.102 dB

 4 12.028300 GHz
 -0.133 dB

 5 15.036600 GHz
 -0.156 dB

 6 18.000000 GHz
 -0.182 dB

 MARKER READOUT
 FUNCTIONS

Couple 19/20

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

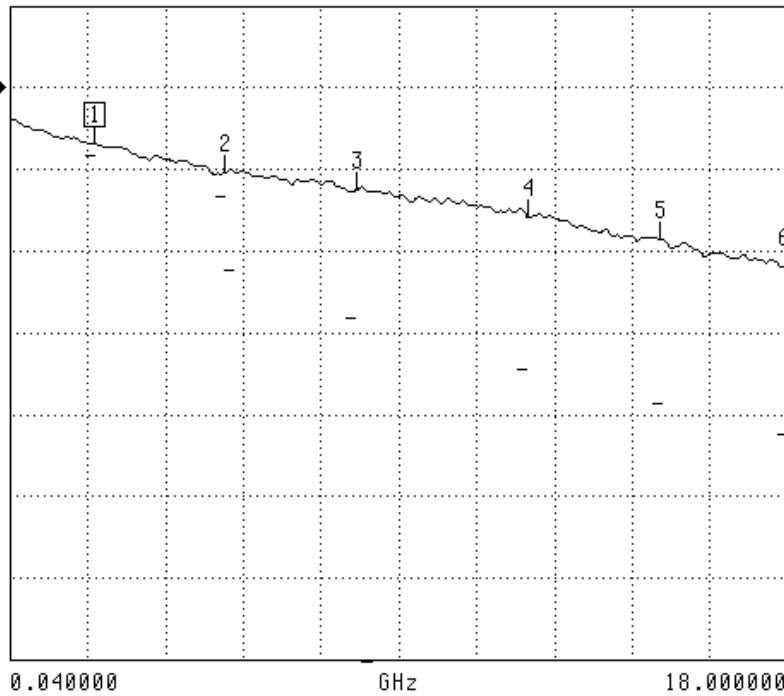
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.068 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.103 dB

 3 8.032200 GHz
 -0.125 dB

 4 12.028300 GHz
 -0.159 dB

 5 15.036600 GHz
 -0.185 dB

 6 18.000000 GHz
 -0.219 dB

 MARKER READOUT
 FUNCTIONS

Couple 21/22

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

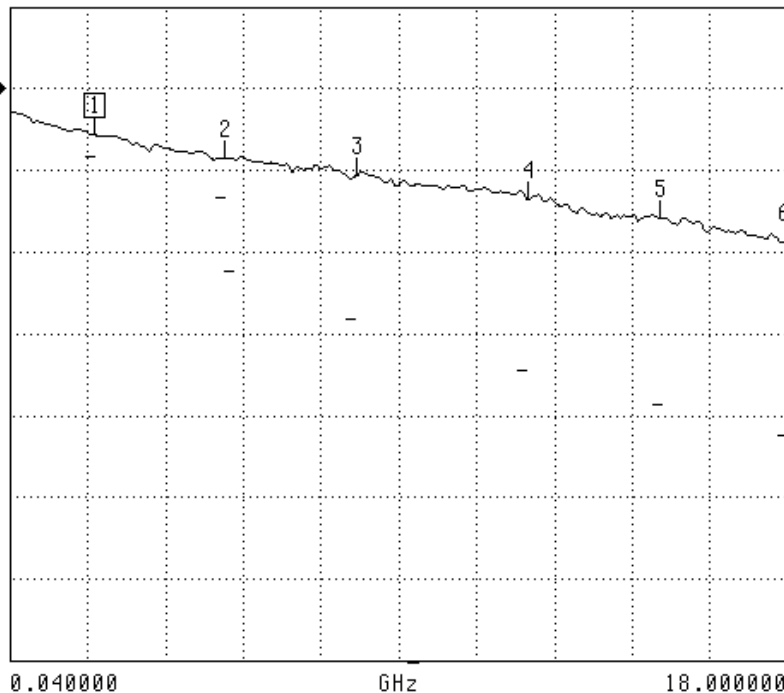
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.057 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.085 dB

 3 8.032200 GHz
 -0.107 dB

 4 12.028300 GHz
 -0.136 dB

 5 15.036600 GHz
 -0.158 dB

 6 18.000000 GHz
 -0.189 dB

 MARKER READOUT
 FUNCTIONS

Couple 23/24

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

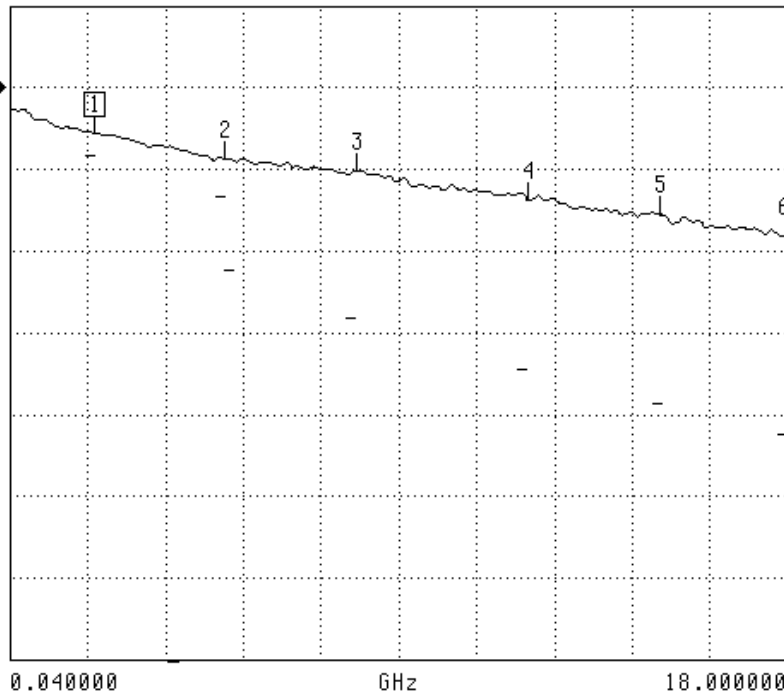
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.055 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.087 dB

 3 8.032200 GHz
 -0.102 dB

 4 12.028300 GHz
 -0.138 dB

 5 15.036600 GHz
 -0.155 dB

 6 18.000000 GHz
 -0.182 dB

 MARKER READOUT
 FUNCTIONS

Couple 25/26

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

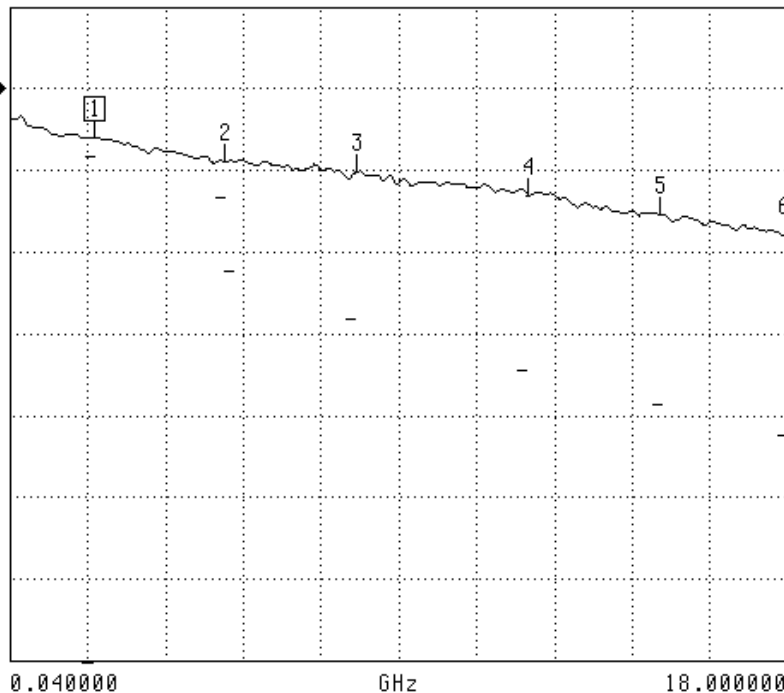
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.060 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.089 dB

 3 8.032200 GHz
 -0.102 dB

 4 12.028300 GHz
 -0.130 dB

 5 15.036600 GHz
 -0.154 dB

 6 18.000000 GHz
 -0.179 dB

 MARKER READOUT
 FUNCTIONS

Couple 27/28

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

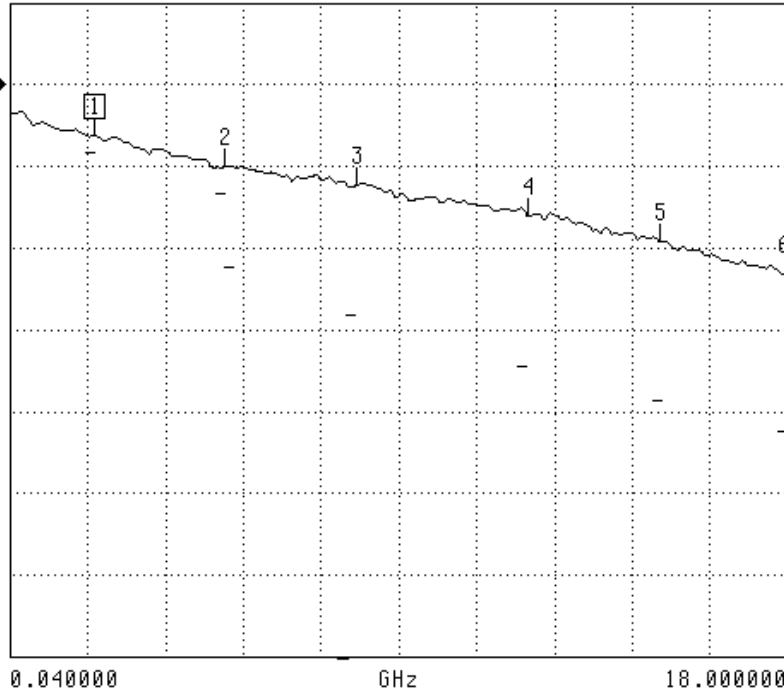
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.062 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.101 dB

 3 8.032200 GHz
 -0.123 dB

 4 12.028300 GHz
 -0.161 dB

 5 15.036600 GHz
 -0.191 dB

 6 18.000000 GHz
 -0.232 dB

 MARKER READOUT
 FUNCTIONS

Couple 29/30

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

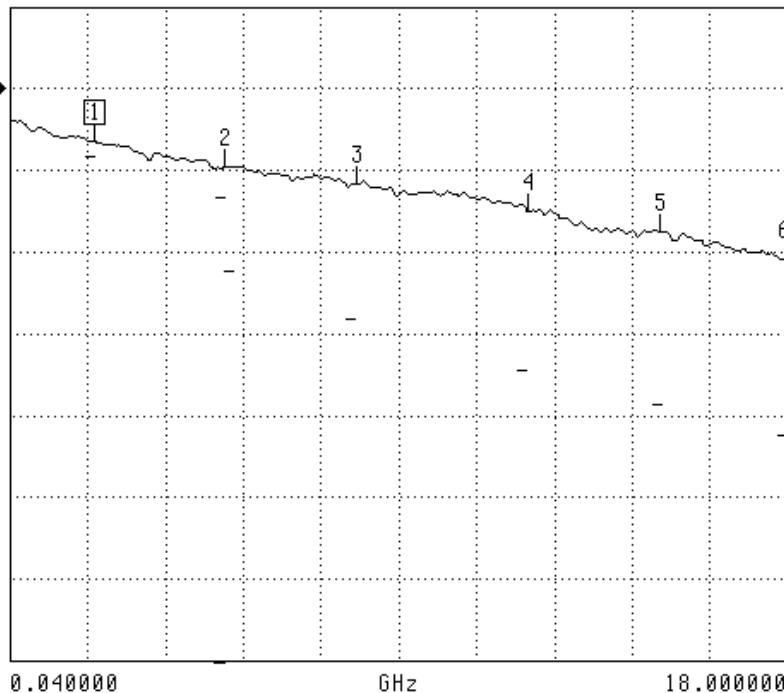
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.065 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.096 dB

 3 8.032200 GHz
 -0.116 dB

 4 12.028300 GHz
 -0.151 dB

 5 15.036600 GHz
 -0.175 dB

 6 18.000000 GHz
 -0.209 dB

 MARKER READOUT
 FUNCTIONS

Couple 31/32

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

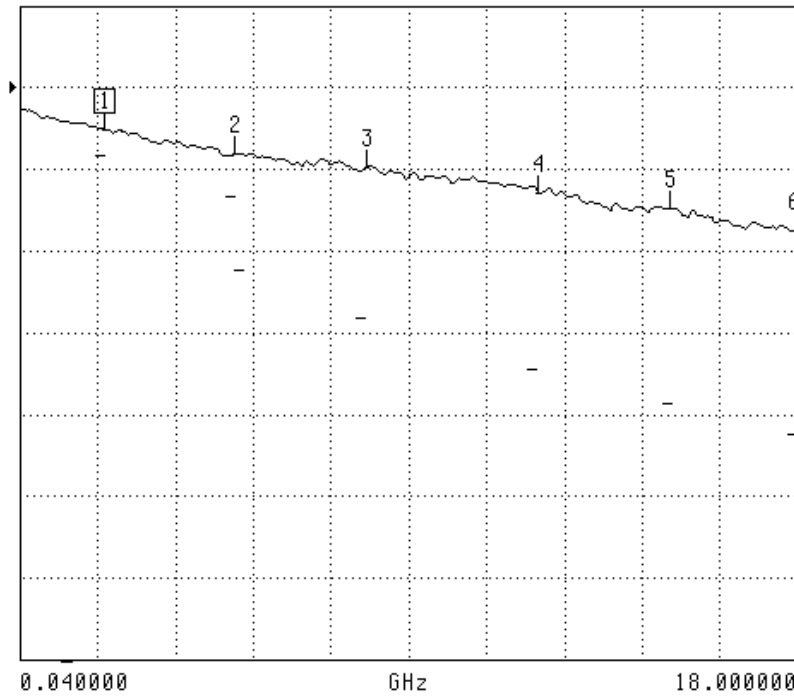
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.051 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.081 dB

 3 8.032200 GHz
 -0.098 dB

 4 12.028300 GHz
 -0.129 dB

 5 15.036600 GHz
 -0.148 dB

 6 18.000000 GHz
 -0.176 dB

 MARKER READOUT
 FUNCTIONS

Couple 33/34

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

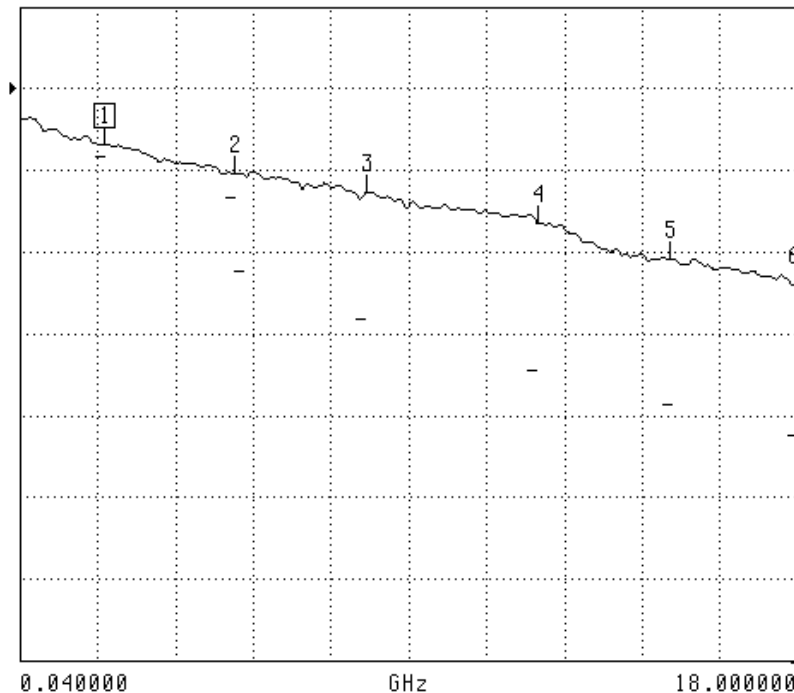
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.069 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.104 dB

 3 8.032200 GHz
 -0.128 dB

 4 12.028300 GHz
 -0.166 dB

 5 15.036600 GHz
 -0.208 dB

 6 18.000000 GHz
 -0.239 dB

 MARKER READOUT
 FUNCTIONS

Couple 35/95

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

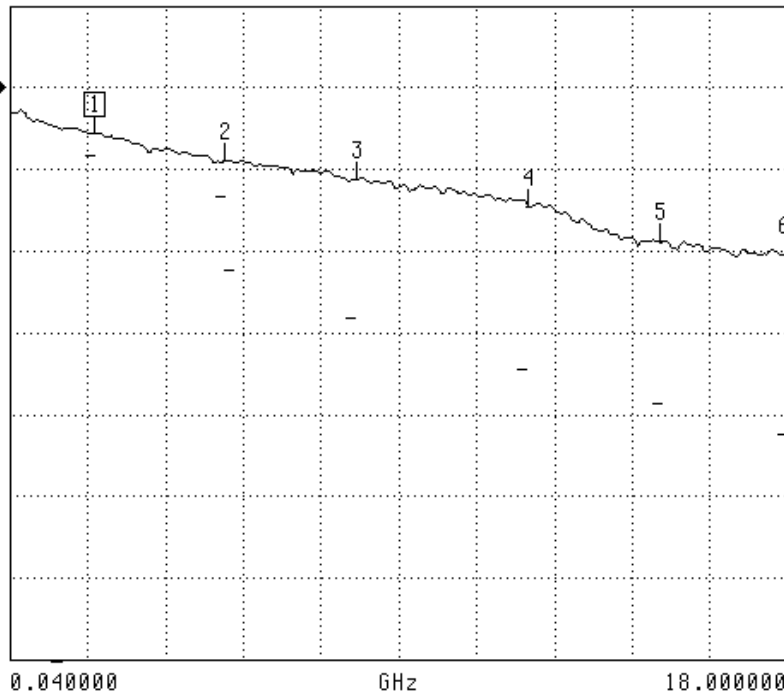
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.056 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.090 dB

 3 8.032200 GHz
 -0.112 dB

 4 12.028300 GHz
 -0.146 dB

 5 15.036600 GHz
 -0.188 dB

 6 18.000000 GHz
 -0.205 dB

 MARKER READOUT
 FUNCTIONS

Couple 96/97

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

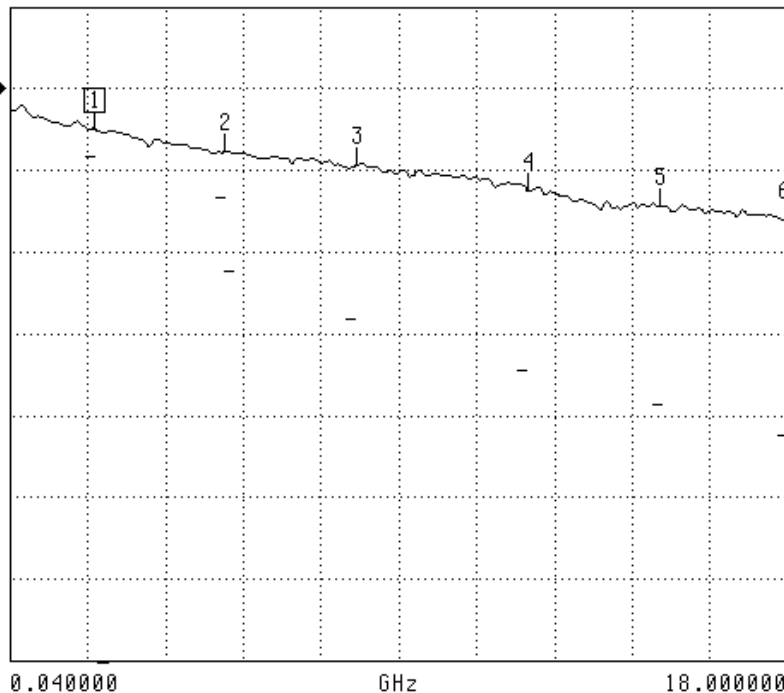
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.050 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.078 dB

 3 8.032200 GHz
 -0.095 dB

 4 12.028300 GHz
 -0.125 dB

 5 15.036600 GHz
 -0.144 dB

 6 18.000000 GHz
 -0.160 dB

 MARKER READOUT
 FUNCTIONS

Couple 98/99

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

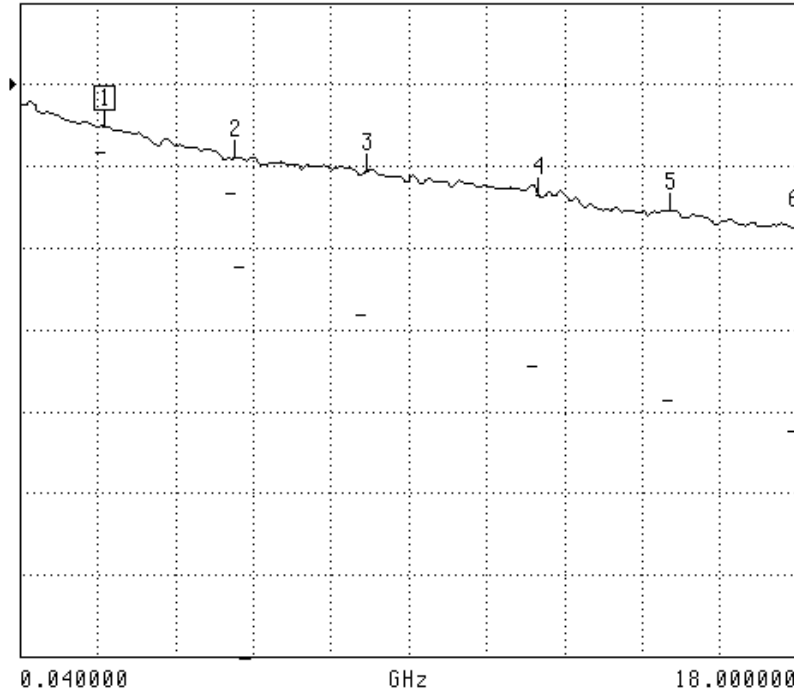
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.051 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.090 dB

 3 8.032200 GHz
 -0.106 dB

 4 12.028300 GHz
 -0.135 dB

 5 15.036600 GHz
 -0.154 dB

 6 18.000000 GHz
 -0.176 dB

 MARKER READOUT
 FUNCTIONS

Couple 100/101

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

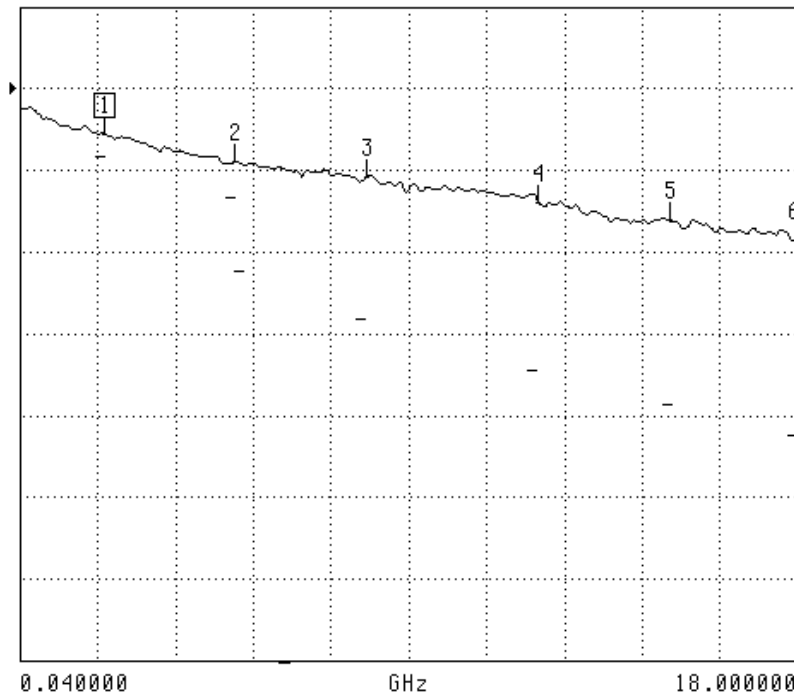
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.056 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.090 dB

 3 8.032200 GHz
 -0.109 dB

 4 12.028300 GHz
 -0.140 dB

 5 15.036600 GHz
 -0.162 dB

 6 18.000000 GHz
 -0.187 dB

 MARKER READOUT
 FUNCTIONS

Couple 102/103

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

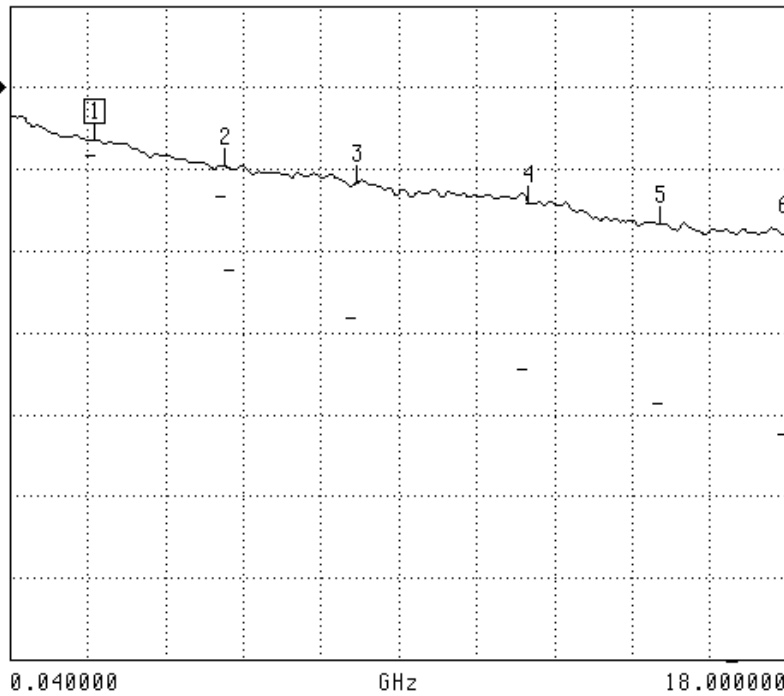
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.064 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.096 dB

 3 8.032200 GHz
 -0.117 dB

 4 12.028300 GHz
 -0.141 dB

 5 15.036600 GHz
 -0.166 dB

 6 18.000000 GHz
 -0.180 dB

 MARKER READOUT
 FUNCTIONS

Couple 104/105

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

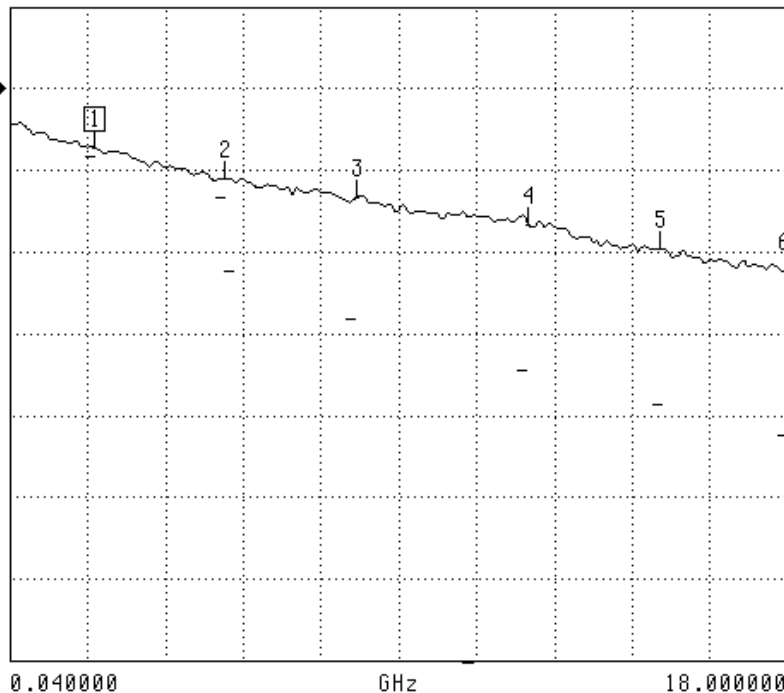
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.072 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.110 dB

 3 8.032200 GHz
 -0.134 dB

 4 12.028300 GHz
 -0.167 dB

 5 15.036600 GHz
 -0.196 dB

 6 18.000000 GHz
 -0.223 dB

 MARKER READOUT
 FUNCTIONS

Couple 106/107

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

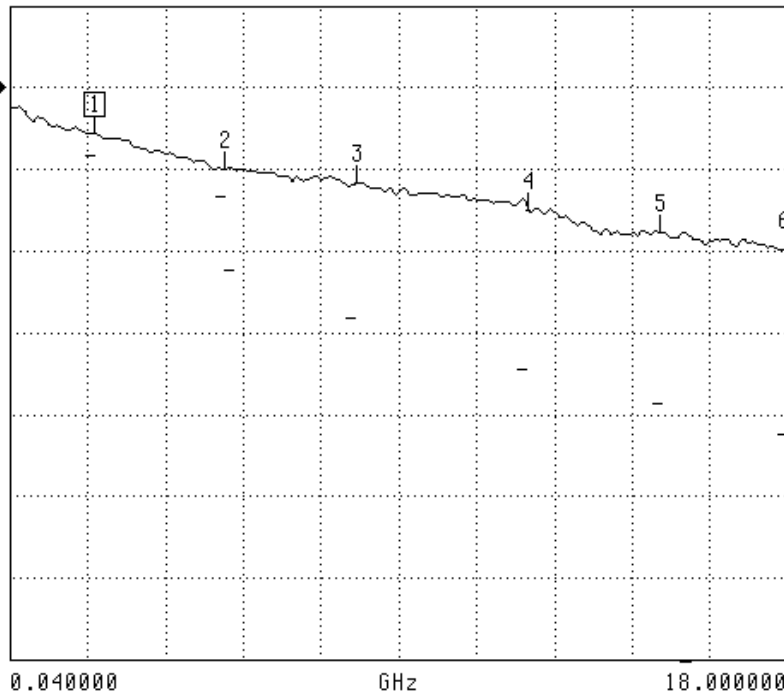
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.056 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.099 dB

 3 8.032200 GHz
 -0.118 dB

 4 12.028300 GHz
 -0.149 dB

 5 15.036600 GHz
 -0.177 dB

 6 18.000000 GHz
 -0.199 dB

 MARKER READOUT
 FUNCTIONS

Couple 108/109

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

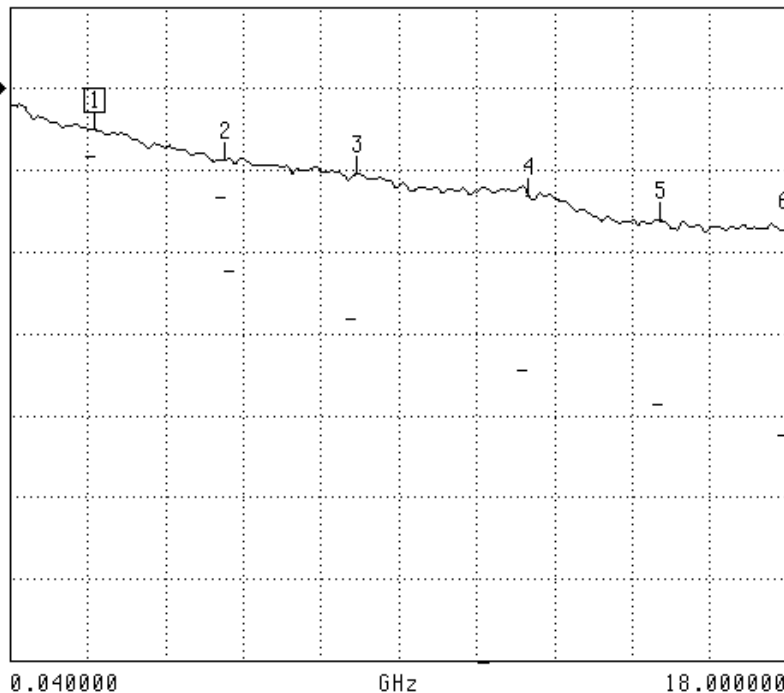
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.051 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.087 dB

 3 8.032200 GHz
 -0.105 dB

 4 12.028300 GHz
 -0.132 dB

 5 15.036600 GHz
 -0.162 dB

 6 18.000000 GHz
 -0.174 dB

 MARKER READOUT
 FUNCTIONS

Couple 110/111

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

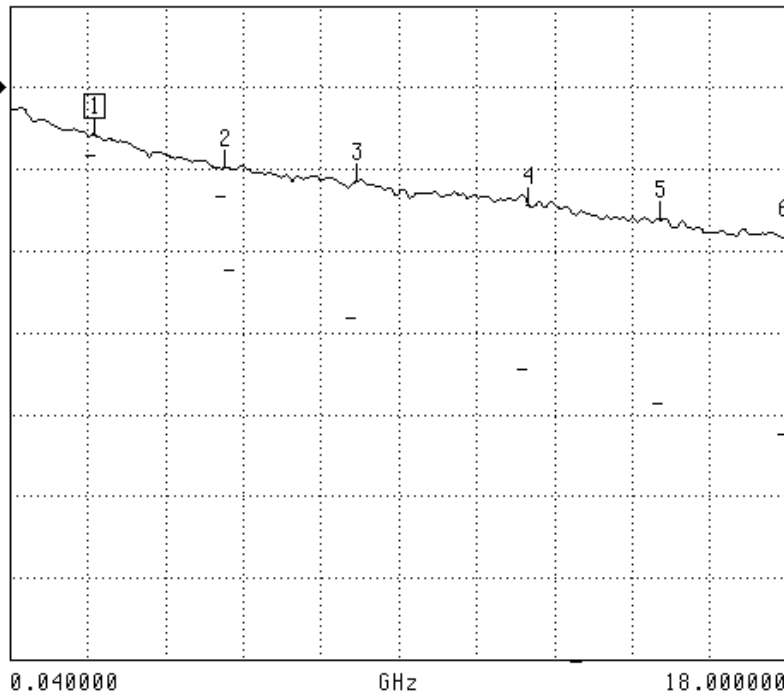
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.058 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.098 dB

 3 8.032200 GHz
 -0.116 dB

 4 12.028300 GHz
 -0.144 dB

 5 15.036600 GHz
 -0.162 dB

 6 18.000000 GHz
 -0.184 dB

 MARKER READOUT
 FUNCTIONS

Couple 112/113

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

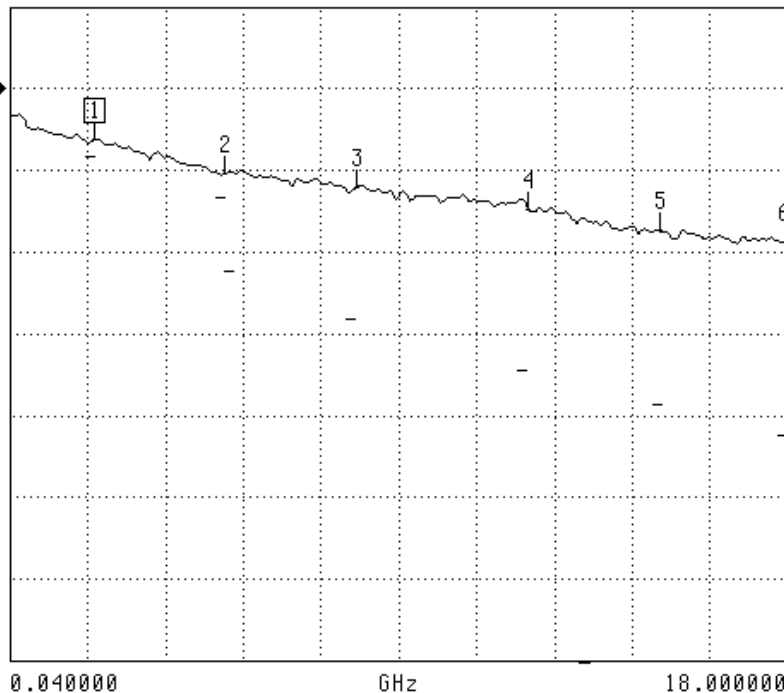
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.063 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.103 dB

 3 8.032200 GHz
 -0.121 dB

 4 12.028300 GHz
 -0.148 dB

 5 15.036600 GHz
 -0.174 dB

 6 18.000000 GHz
 -0.188 dB

 MARKER READOUT
 FUNCTIONS

Couple 114/115

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

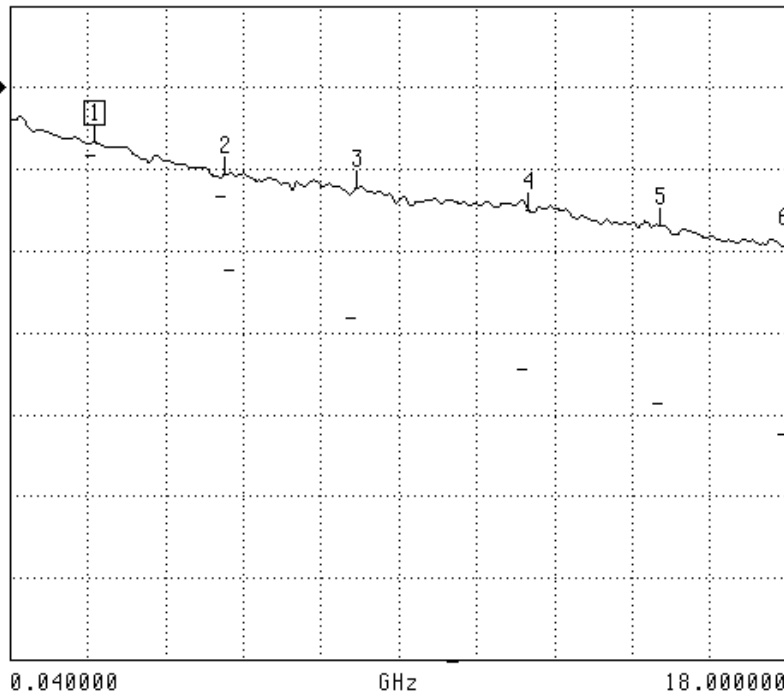
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.067 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.107 dB

 3 8.032200 GHz
 -0.124 dB

 4 12.028300 GHz
 -0.151 dB

 5 15.036600 GHz
 -0.169 dB

 6 18.000000 GHz
 -0.194 dB

 MARKER READOUT
 FUNCTIONS

Couple 116/117

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

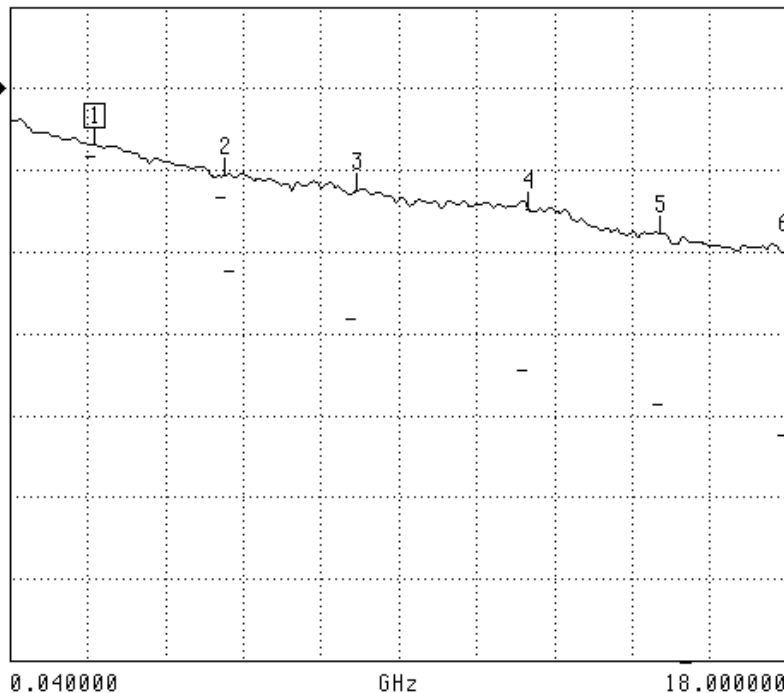
Delay aperture :

R125612140X / Insertion loss back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.069 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.106 dB

 3 8.032200 GHz
 -0.126 dB

 4 12.028300 GHz
 -0.149 dB

 5 15.036600 GHz
 -0.177 dB

 6 18.000000 GHz
 -0.201 dB

 MARKER READOUT
 FUNCTIONS

Couple 118/119

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

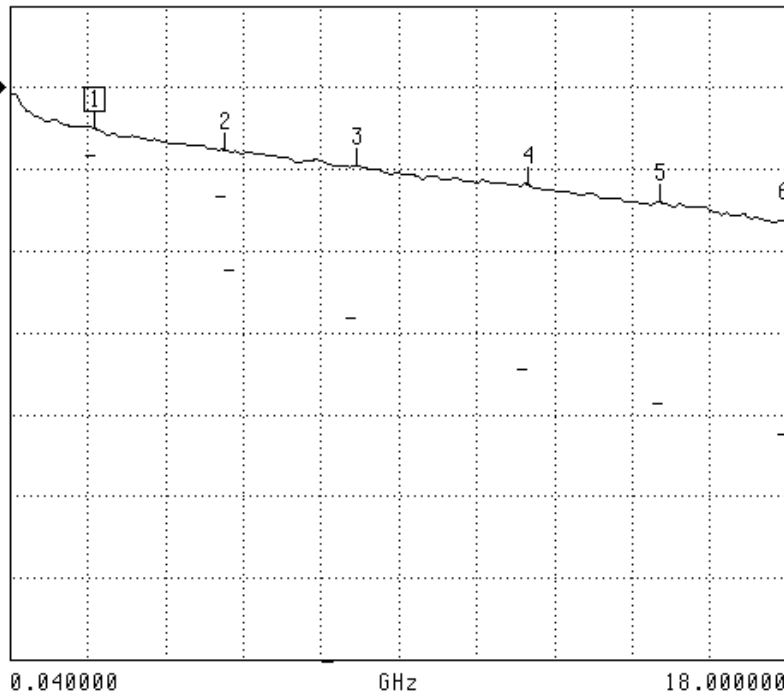
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.050 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.077 dB

 3 8.032200 GHz
 -0.095 dB

 4 12.028300 GHz
 -0.119 dB

 5 15.036600 GHz
 -0.139 dB

 6 18.000000 GHz
 -0.163 dB

 MARKER READOUT
 FUNCTIONS

Couple 1/2

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

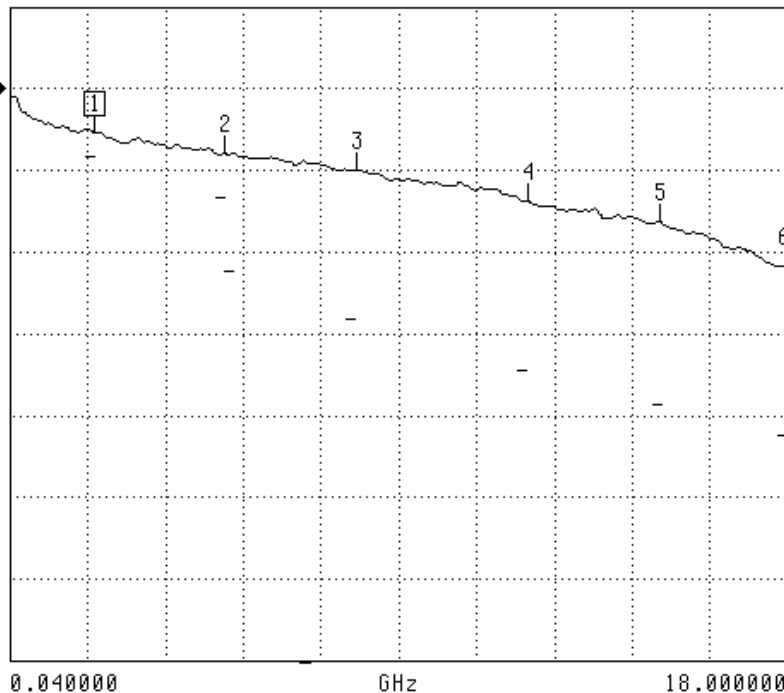
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.053 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.080 dB

 3 8.032200 GHz
 -0.100 dB

 4 12.028300 GHz
 -0.138 dB

 5 15.036600 GHz
 -0.163 dB

 6 18.000000 GHz
 -0.218 dB

 MARKER READOUT
 FUNCTIONS

Couple 3/4

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

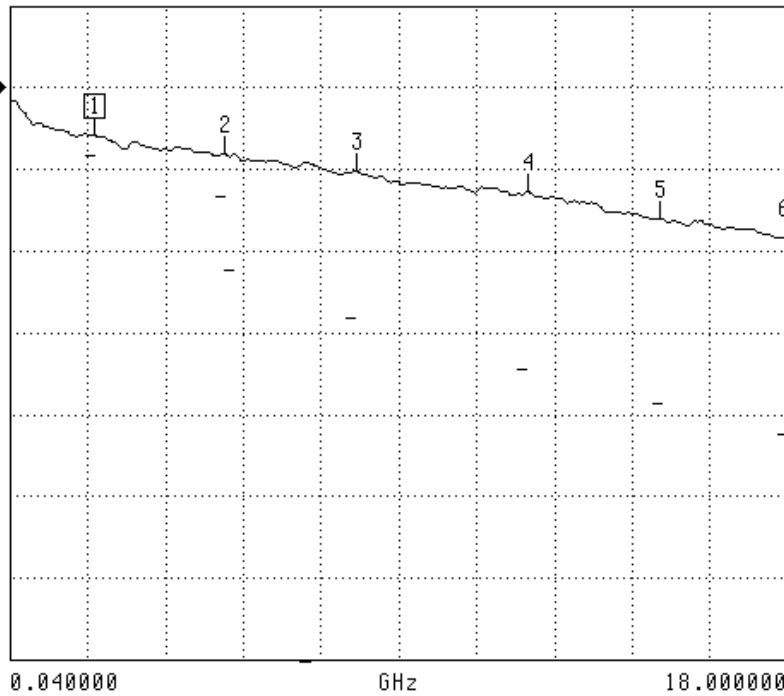
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.059 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.082 dB

 3 8.032200 GHz
 -0.102 dB

 4 12.028300 GHz
 -0.128 dB

 5 15.036600 GHz
 -0.161 dB

 6 18.000000 GHz
 -0.183 dB

 MARKER READOUT
 FUNCTIONS

Couple 5/6

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

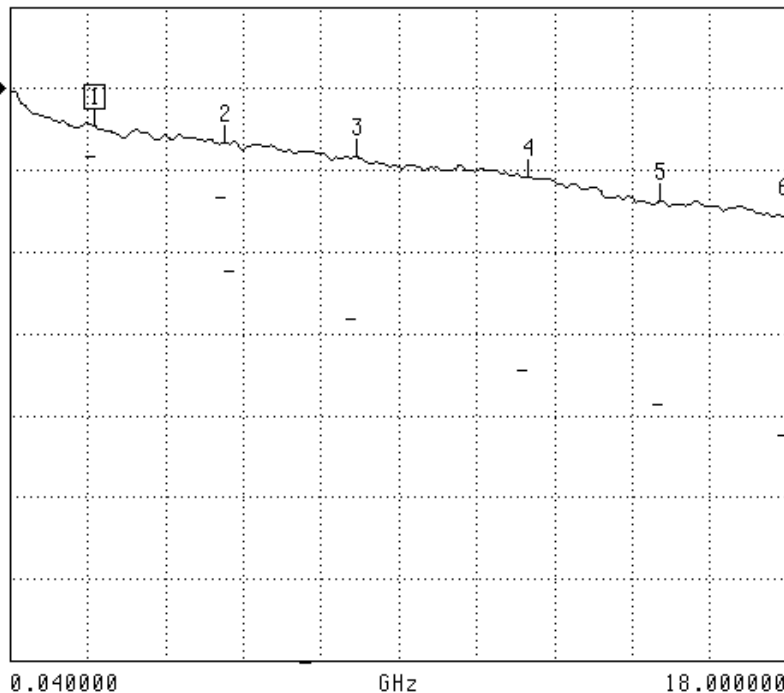
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.046 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.066 dB

 3 8.032200 GHz
 -0.083 dB

 4 12.028300 GHz
 -0.108 dB

 5 15.036600 GHz
 -0.139 dB

 6 18.000000 GHz
 -0.156 dB

 MARKER READOUT
 FUNCTIONS

Couple 7/8

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

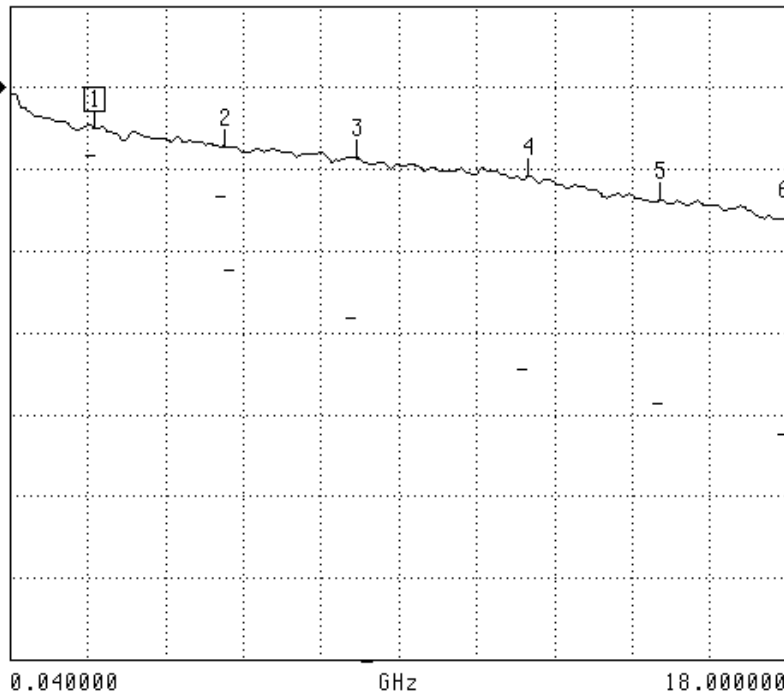
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.049 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.072 dB

 3 8.032200 GHz
 -0.086 dB

 4 12.028300 GHz
 -0.108 dB

 5 15.036600 GHz
 -0.138 dB

 6 18.000000 GHz
 -0.161 dB

 MARKER READOUT
 FUNCTIONS

Couple 9/10

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

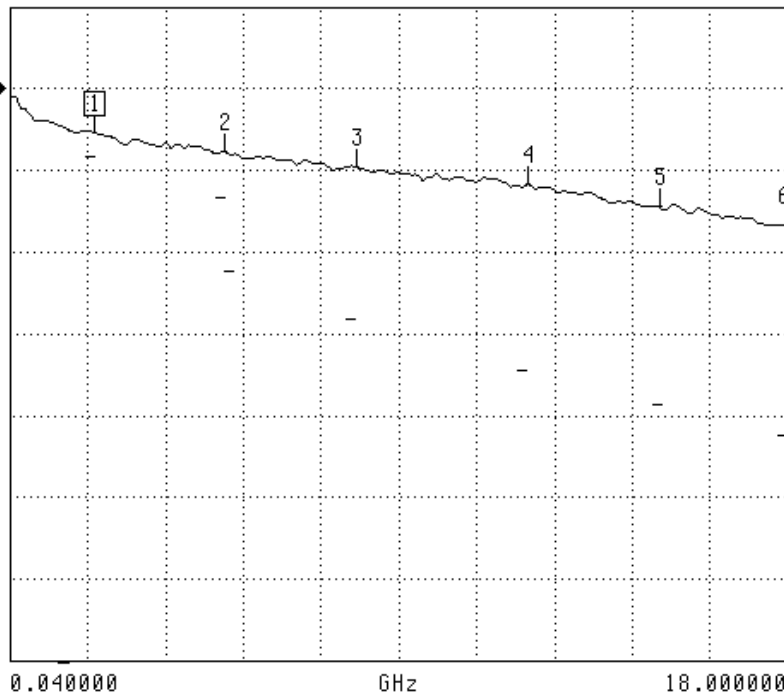
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.054 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.077 dB

 3 8.032200 GHz
 -0.096 dB

 4 12.028300 GHz
 -0.118 dB

 5 15.036600 GHz
 -0.145 dB

 6 18.000000 GHz
 -0.167 dB

 MARKER READOUT
 FUNCTIONS

Couple 11/12

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

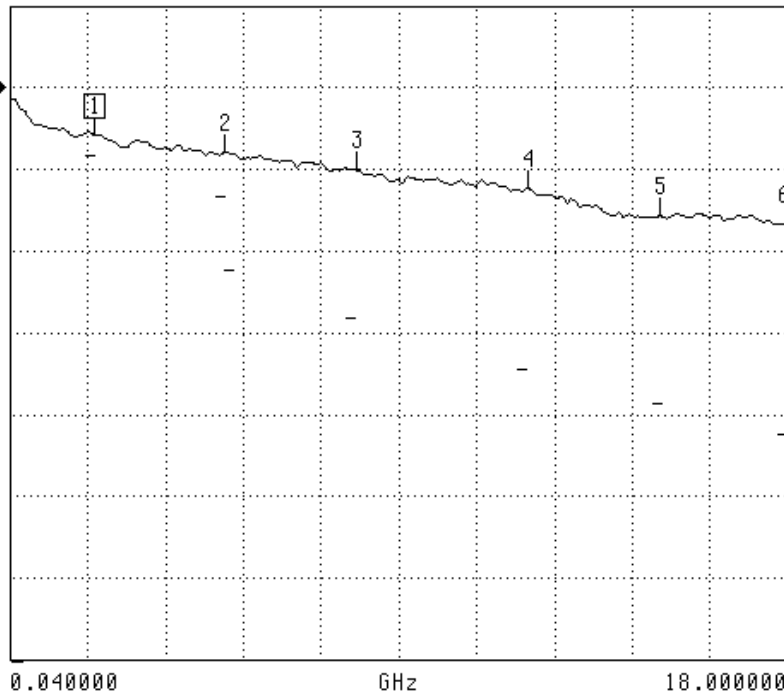
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.058 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.080 dB

 3 8.032200 GHz
 -0.101 dB

 4 12.028300 GHz
 -0.124 dB

 5 15.036600 GHz
 -0.157 dB

 6 18.000000 GHz
 -0.166 dB

 MARKER READOUT
 FUNCTIONS

Couple 13/14

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

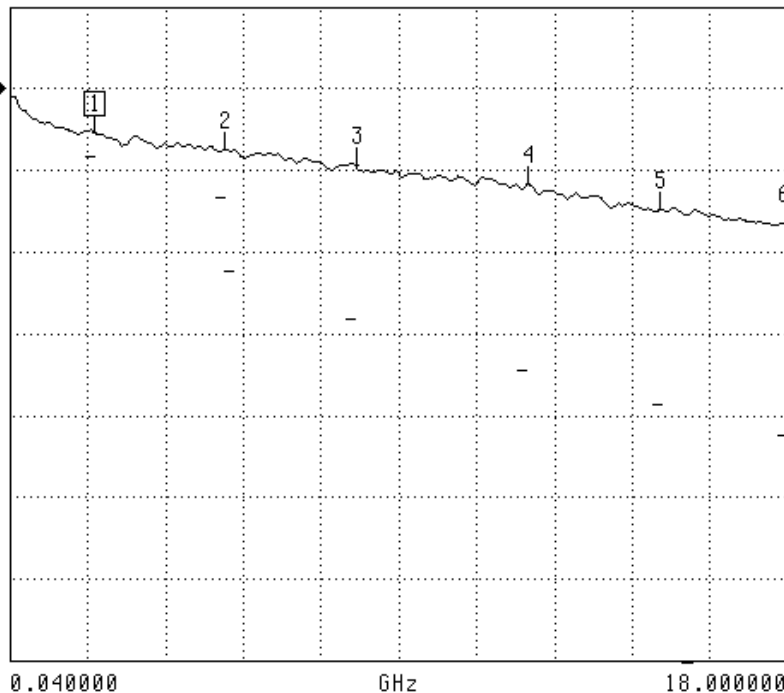
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.054 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.075 dB

 3 8.032200 GHz
 -0.095 dB

 4 12.028300 GHz
 -0.117 dB

 5 15.036600 GHz
 -0.149 dB

 6 18.000000 GHz
 -0.165 dB

 MARKER READOUT
 FUNCTIONS

Couple 15/16

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

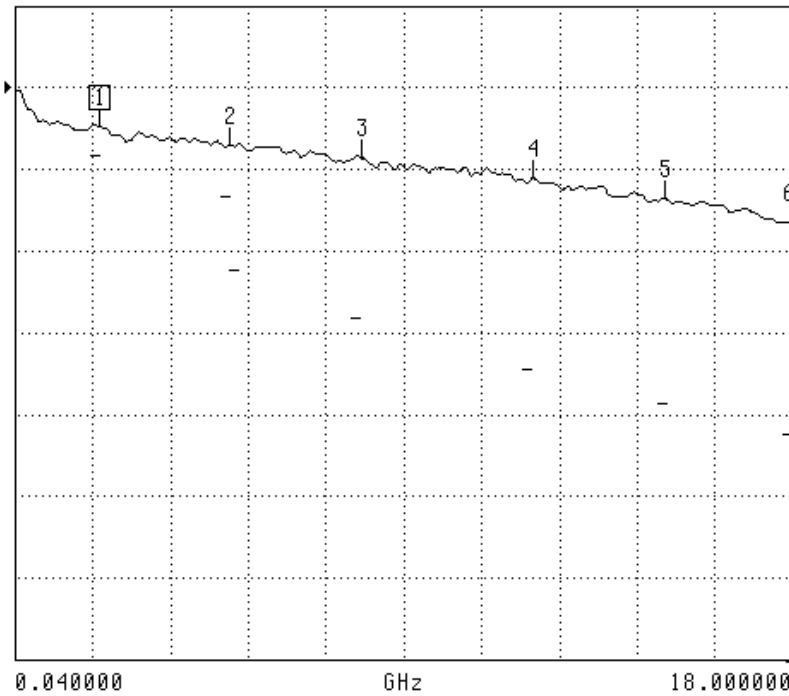
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.048 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.071 dB

 3 8.032200 GHz
 -0.084 dB

 4 12.028300 GHz
 -0.111 dB

 5 15.036600 GHz
 -0.135 dB

 6 18.000000 GHz
 -0.165 dB

 MARKER READOUT
 FUNCTIONS

Couple 17/18

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

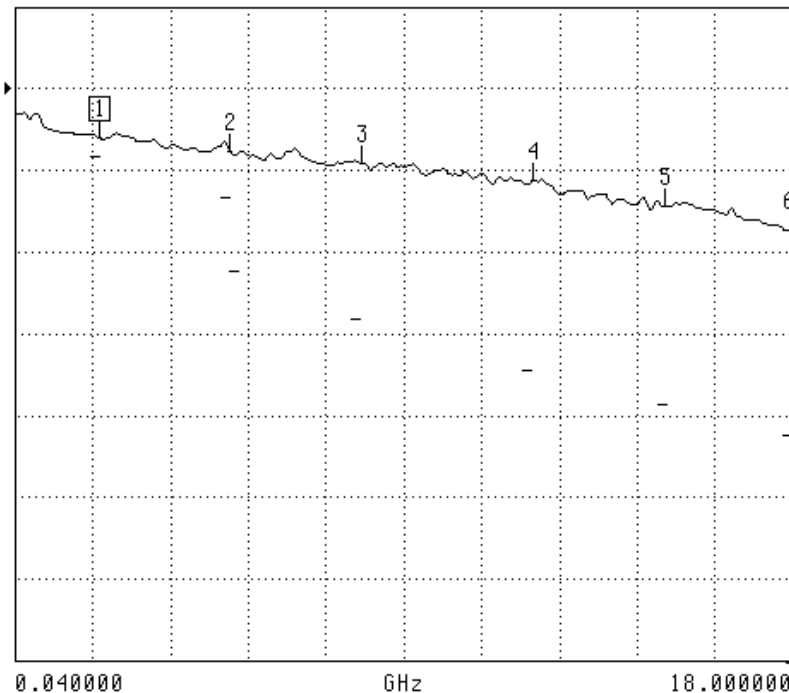
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.061 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.078 dB

 3 8.032200 GHz
 -0.091 dB

 4 12.028300 GHz
 -0.113 dB

 5 15.036600 GHz
 -0.144 dB

 6 18.000000 GHz
 -0.174 dB

 MARKER READOUT
 FUNCTIONS

Couple 19/20

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

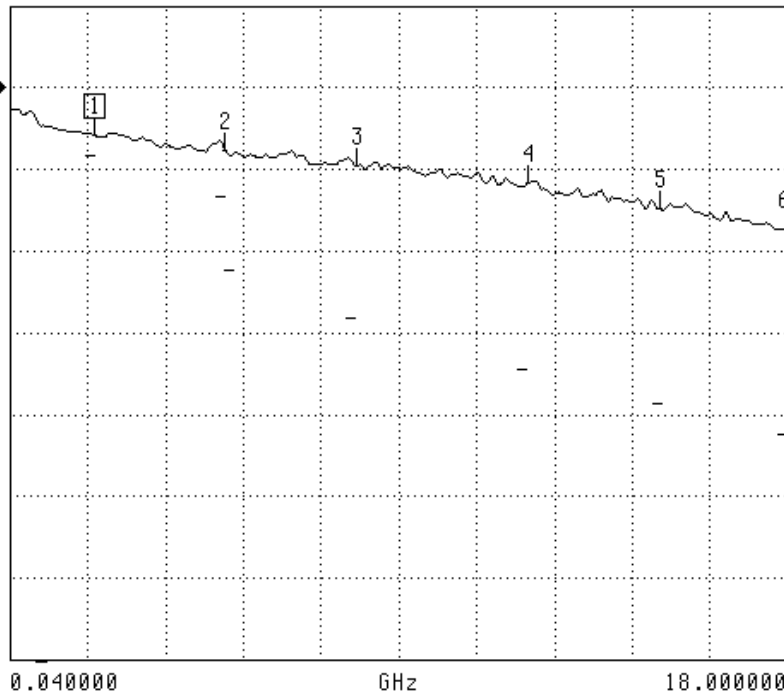
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.059 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.078 dB

 3 8.032200 GHz
 -0.096 dB

 4 12.028300 GHz
 -0.116 dB

 5 15.036600 GHz
 -0.149 dB

 6 18.000000 GHz
 -0.172 dB

 MARKER READOUT
 FUNCTIONS

Couple 21/22

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

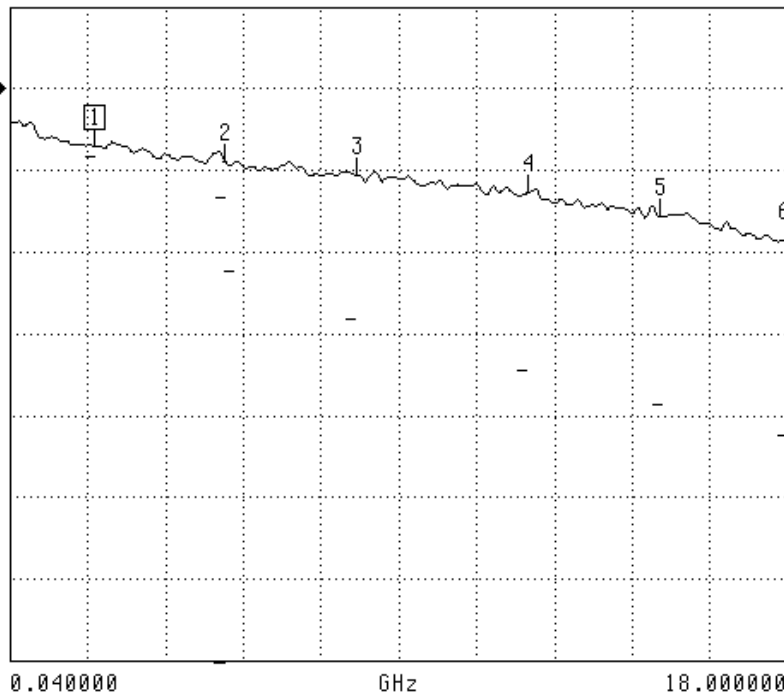
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.071 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.090 dB

 3 8.032200 GHz
 -0.106 dB

 4 12.028300 GHz
 -0.127 dB

 5 15.036600 GHz
 -0.156 dB

 6 18.000000 GHz
 -0.186 dB

 MARKER READOUT
 FUNCTIONS

Couple 23/24

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

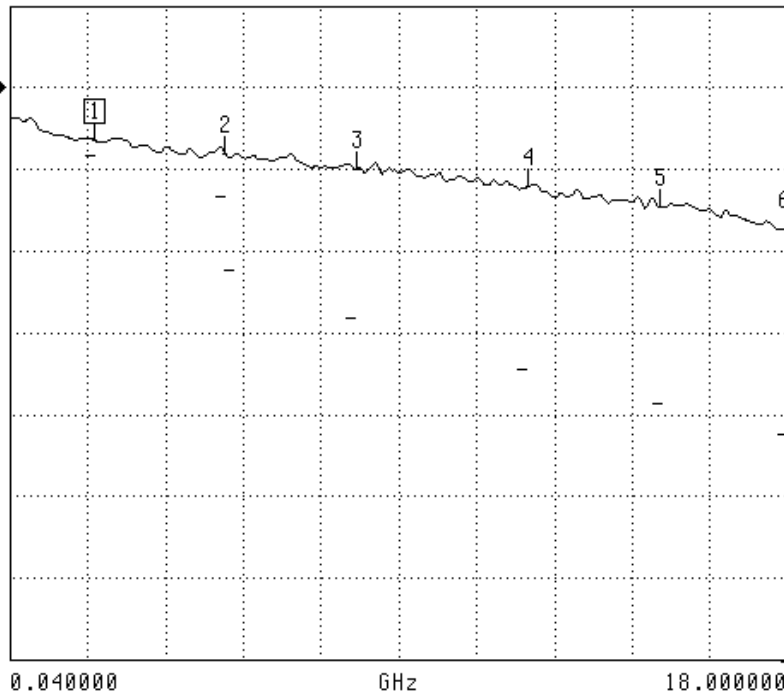
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.064 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.082 dB

 3 8.032200 GHz
 -0.099 dB

 4 12.028300 GHz
 -0.121 dB

 5 15.036600 GHz
 -0.145 dB

 6 18.000000 GHz
 -0.173 dB

 MARKER READOUT
 FUNCTIONS

Couple 25/26

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

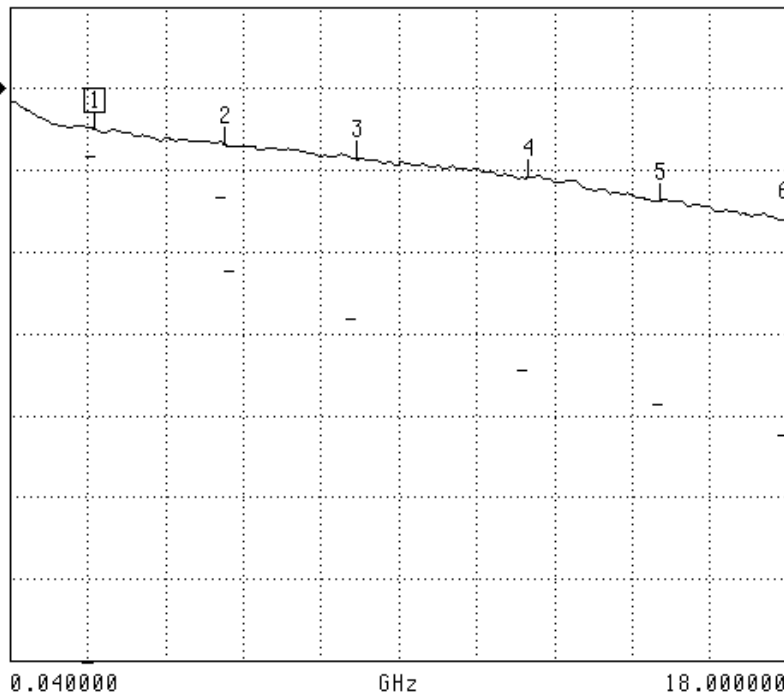
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.049 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.069 dB

 3 8.032200 GHz
 -0.086 dB

 4 12.028300 GHz
 -0.109 dB

 5 15.036600 GHz
 -0.137 dB

 6 18.000000 GHz
 -0.160 dB

 MARKER READOUT
 FUNCTIONS

Couple 27/28

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

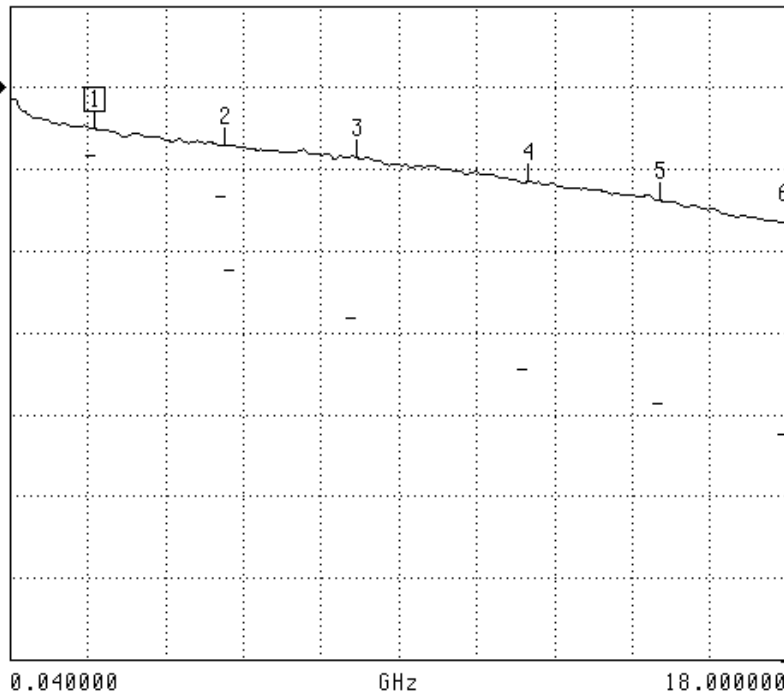
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.050 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.071 dB

 3 8.032200 GHz
 -0.084 dB

 4 12.028300 GHz
 -0.116 dB

 5 15.036600 GHz
 -0.138 dB

 6 18.000000 GHz
 -0.164 dB

 MARKER READOUT
 FUNCTIONS

Couple 29/30

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

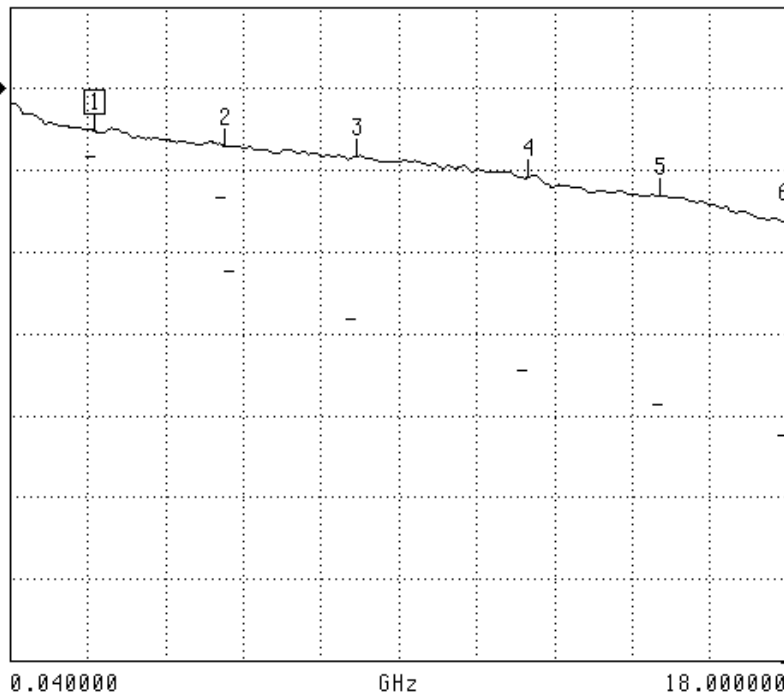
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.051 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.070 dB

 3 8.032200 GHz
 -0.084 dB

 4 12.028300 GHz
 -0.108 dB

 5 15.036600 GHz
 -0.131 dB

 6 18.000000 GHz
 -0.162 dB

 MARKER READOUT
 FUNCTIONS

Couple 31/32

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

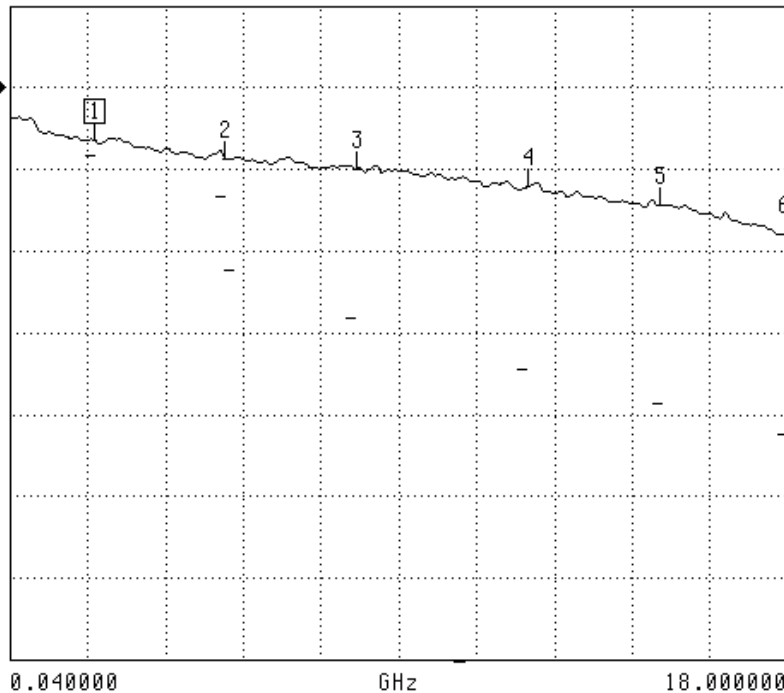
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.065 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.087 dB

 3 8.032200 GHz
 -0.100 dB

 4 12.028300 GHz
 -0.120 dB

 5 15.036600 GHz
 -0.145 dB

 6 18.000000 GHz
 -0.179 dB

 MARKER READOUT
 FUNCTIONS

Couple 33/34

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

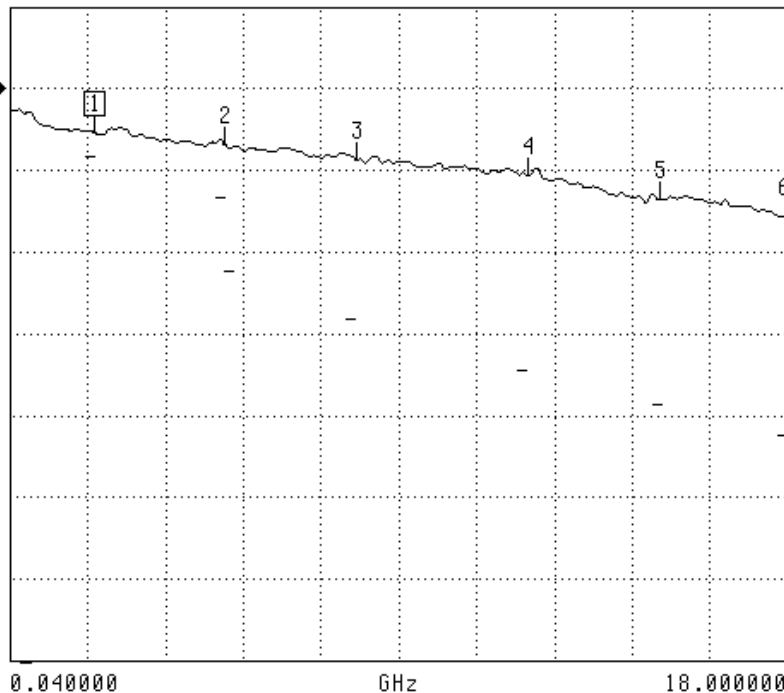
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.054 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.070 dB

 3 8.032200 GHz
 -0.087 dB

 4 12.028300 GHz
 -0.105 dB

 5 15.036600 GHz
 -0.136 dB

 6 18.000000 GHz
 -0.156 dB

 MARKER READOUT
 FUNCTIONS

Couple 35/95

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

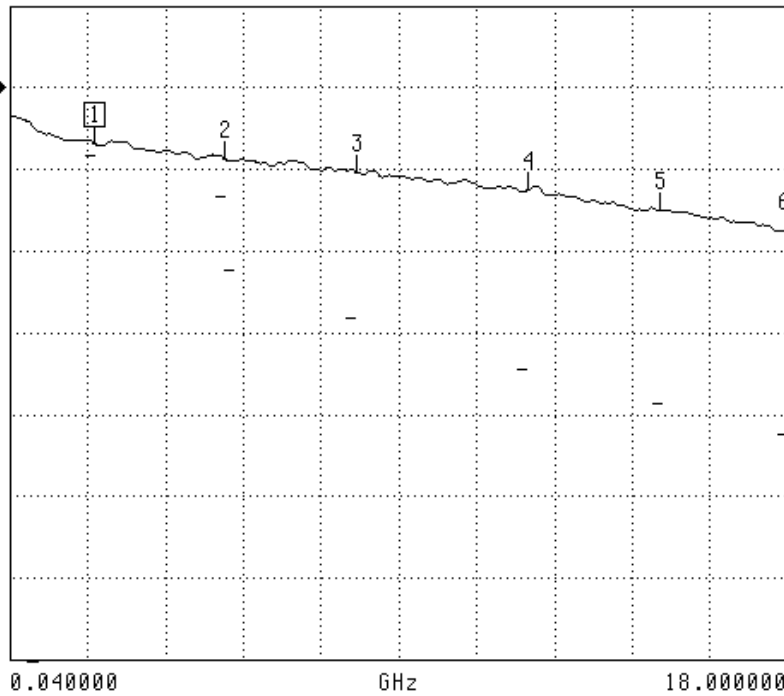
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.069 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.088 dB

 3 8.032200 GHz
 -0.104 dB

 4 12.028300 GHz
 -0.125 dB

 5 15.036600 GHz
 -0.150 dB

 6 18.000000 GHz
 -0.176 dB

 MARKER READOUT
 FUNCTIONS

Couple 96/97

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

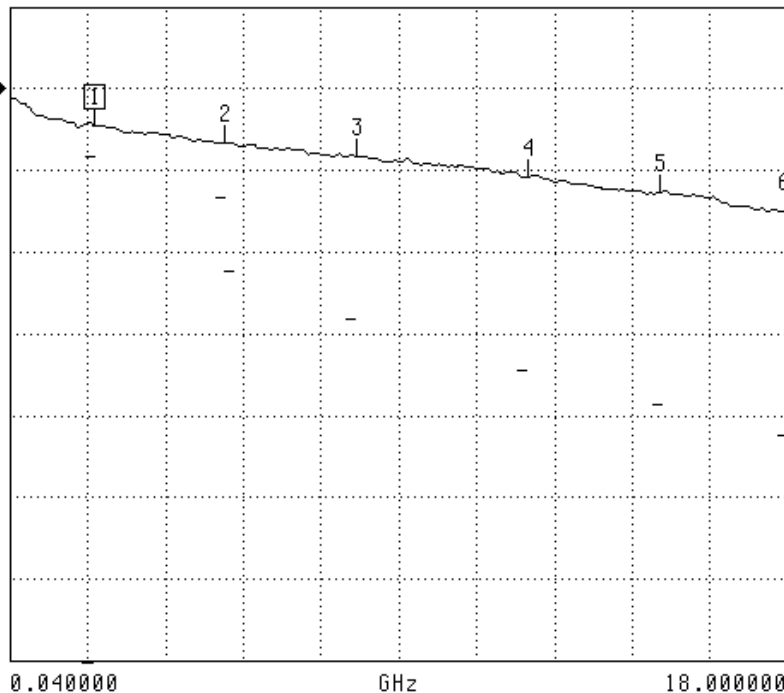
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.045 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.067 dB

 3 8.032200 GHz
 -0.082 dB

 4 12.028300 GHz
 -0.108 dB

 5 15.036600 GHz
 -0.128 dB

 6 18.000000 GHz
 -0.151 dB

 MARKER READOUT
 FUNCTIONS

Couple 98/99

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

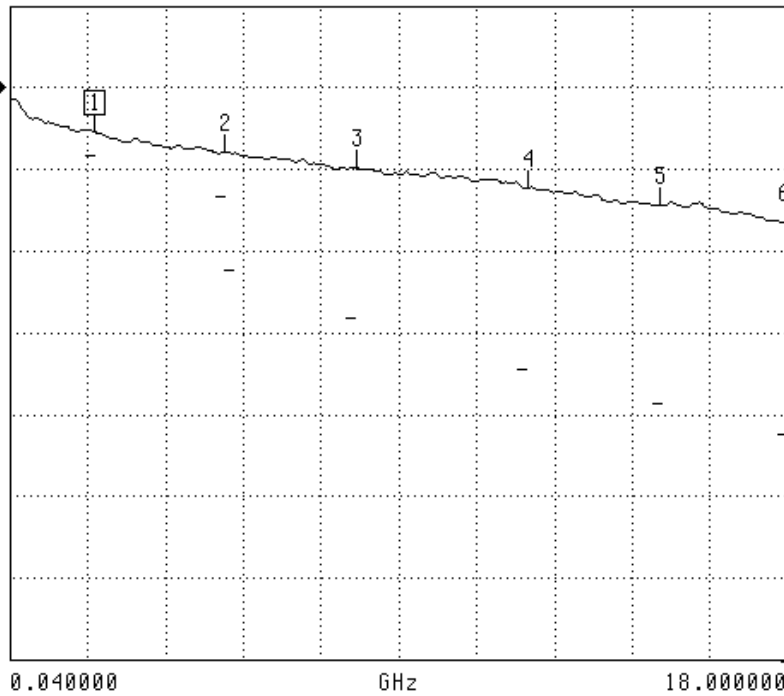
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.054 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.078 dB

 3 8.032200 GHz
 -0.099 dB

 4 12.028300 GHz
 -0.122 dB

 5 15.036600 GHz
 -0.144 dB

 6 18.000000 GHz
 -0.164 dB

 MARKER READOUT
 FUNCTIONS

Couple 100/101

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

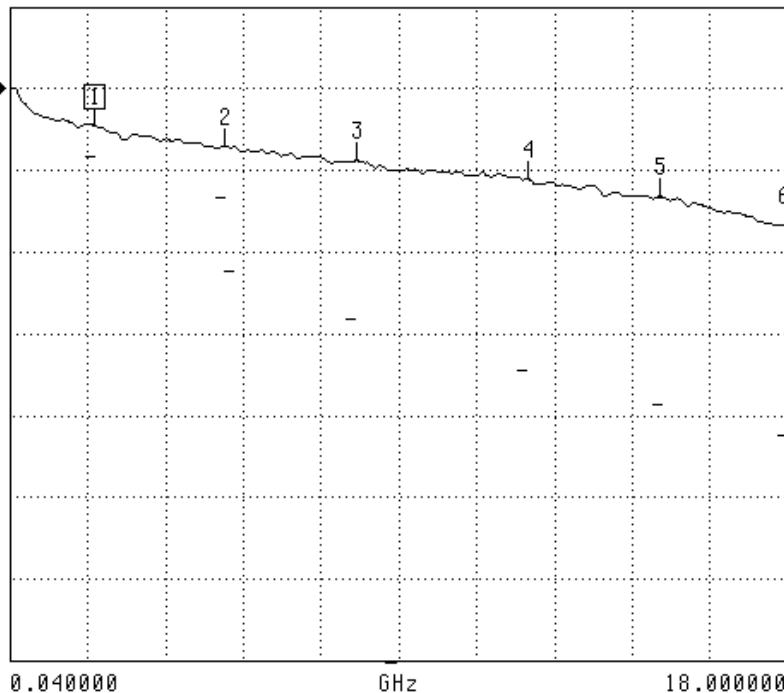
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.045 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.071 dB

 3 8.032200 GHz
 -0.088 dB

 4 12.028300 GHz
 -0.110 dB

 5 15.036600 GHz
 -0.132 dB

 6 18.000000 GHz
 -0.167 dB

 MARKER READOUT
 FUNCTIONS

Couple 102/103

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

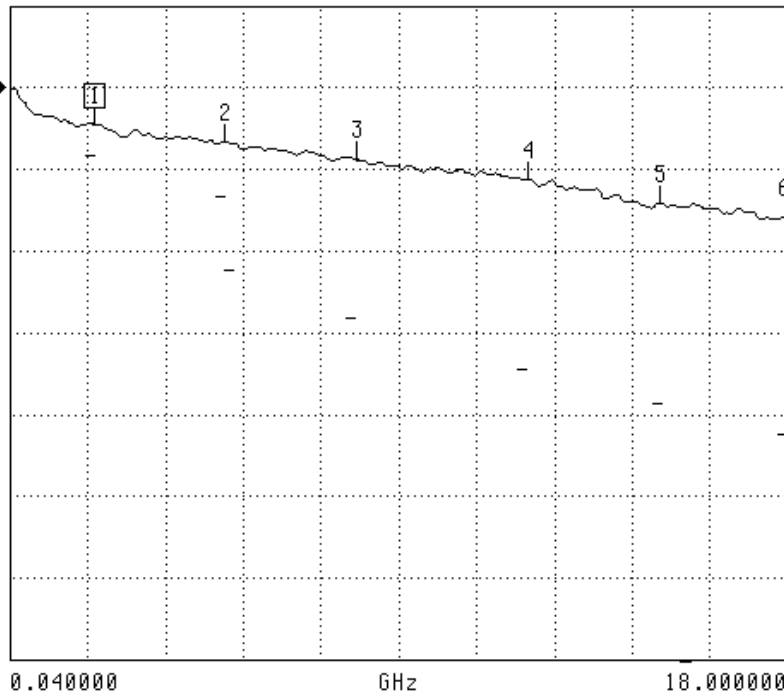
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.045 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.066 dB

 3 8.032200 GHz
 -0.087 dB

 4 12.028300 GHz
 -0.112 dB

 5 15.036600 GHz
 -0.141 dB

 6 18.000000 GHz
 -0.160 dB

 MARKER READOUT
 FUNCTIONS

Couple 104/105

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

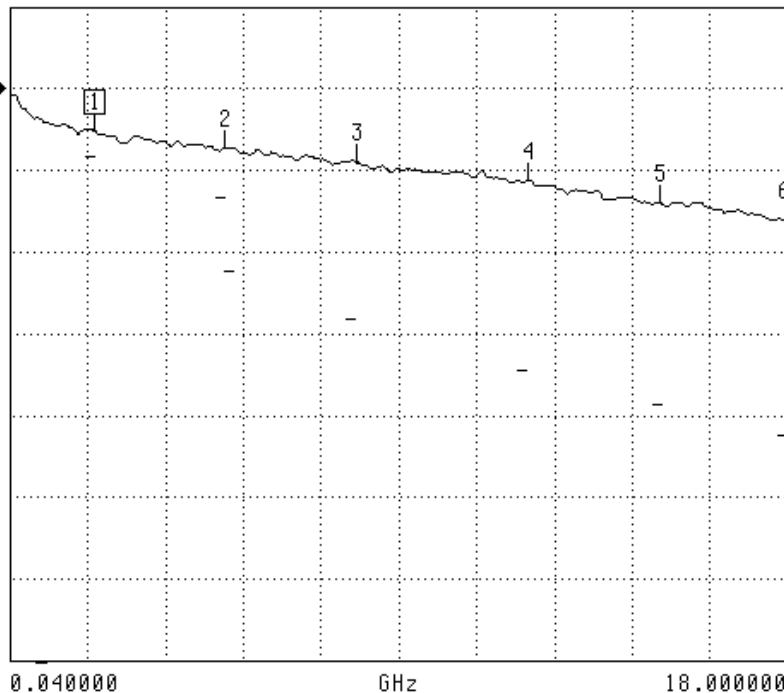
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.051 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.072 dB

 3 8.032200 GHz
 -0.089 dB

 4 12.028300 GHz
 -0.112 dB

 5 15.036600 GHz
 -0.139 dB

 6 18.000000 GHz
 -0.160 dB

 MARKER READOUT
 FUNCTIONS

Couple 106/107

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

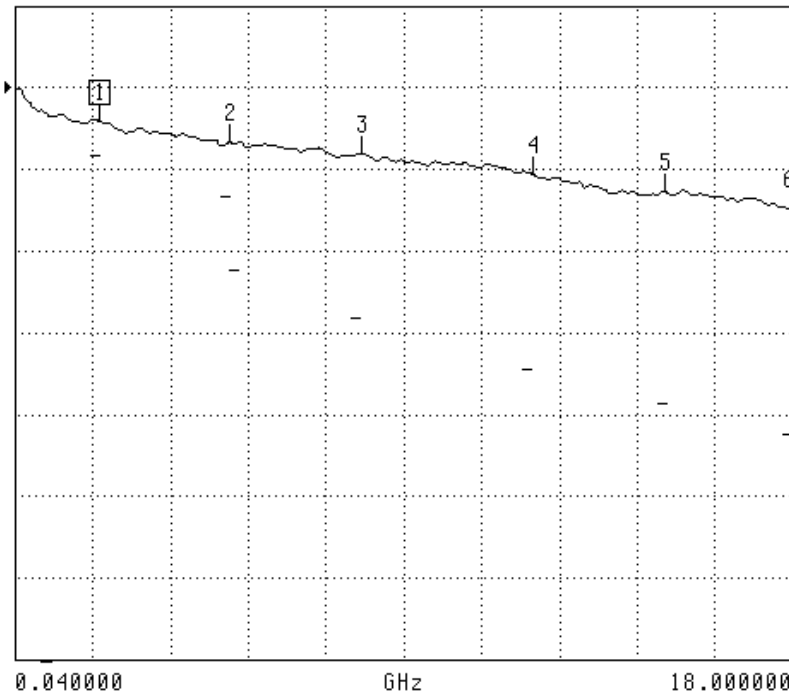
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.041 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.067 dB

 3 8.032200 GHz
 -0.081 dB

 4 12.028300 GHz
 -0.106 dB

 5 15.036600 GHz
 -0.127 dB

 6 18.000000 GHz
 -0.148 dB

 MARKER READOUT
 FUNCTIONS

Couple 108/109

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

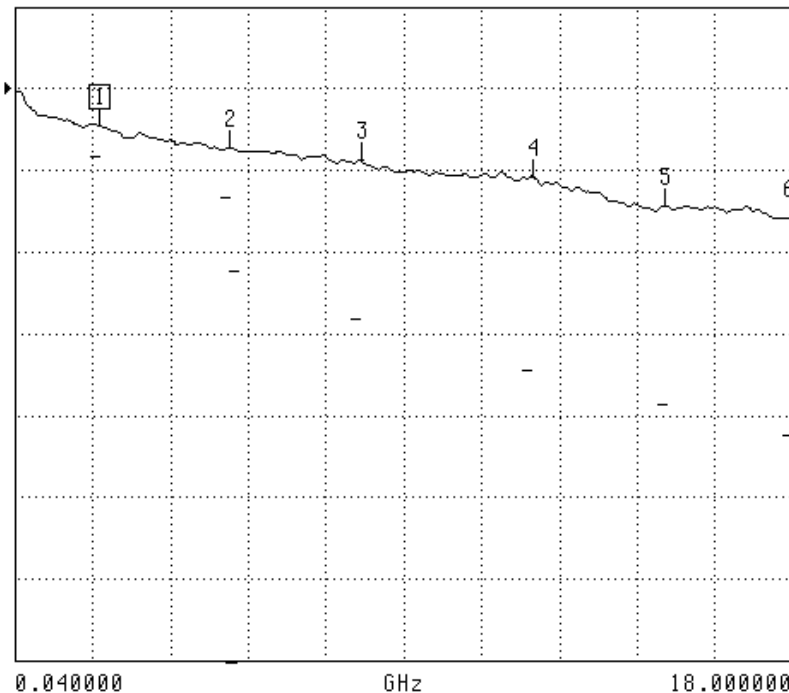
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.045 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.072 dB

 3 8.032200 GHz
 -0.088 dB

 4 12.028300 GHz
 -0.108 dB

 5 15.036600 GHz
 -0.143 dB

 6 18.000000 GHz
 -0.160 dB

 MARKER READOUT
 FUNCTIONS

Couple 110/111

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

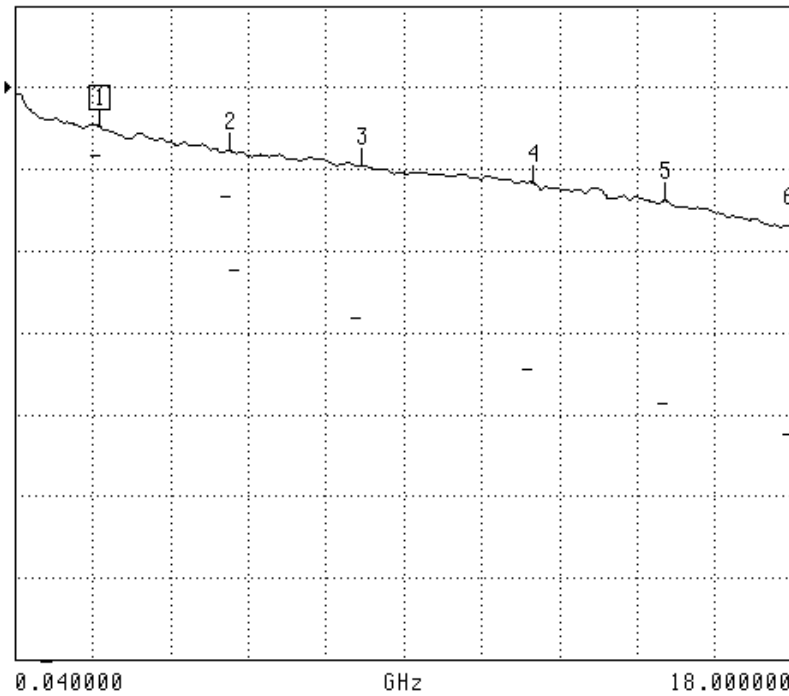
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.048 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.076 dB

 3 8.032200 GHz
 -0.095 dB

 4 12.028300 GHz
 -0.116 dB

 5 15.036600 GHz
 -0.138 dB

 6 18.000000 GHz
 -0.169 dB

 MARKER READOUT
 FUNCTIONS

Couple 112/113

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

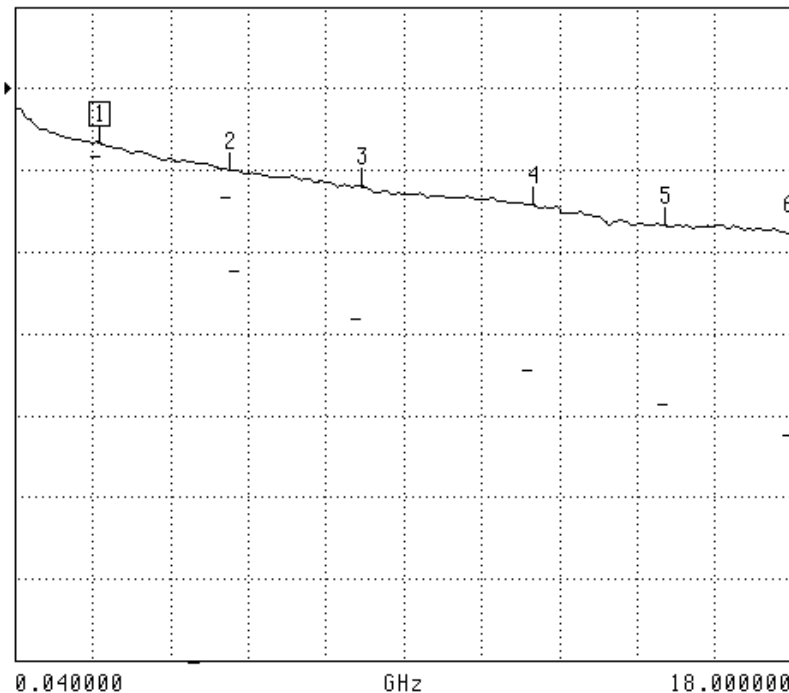
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.066 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.099 dB

 3 8.032200 GHz
 -0.120 dB

 4 12.028300 GHz
 -0.142 dB

 5 15.036600 GHz
 -0.166 dB

 6 18.000000 GHz
 -0.177 dB

 MARKER READOUT
 FUNCTIONS

Couple 114/115

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

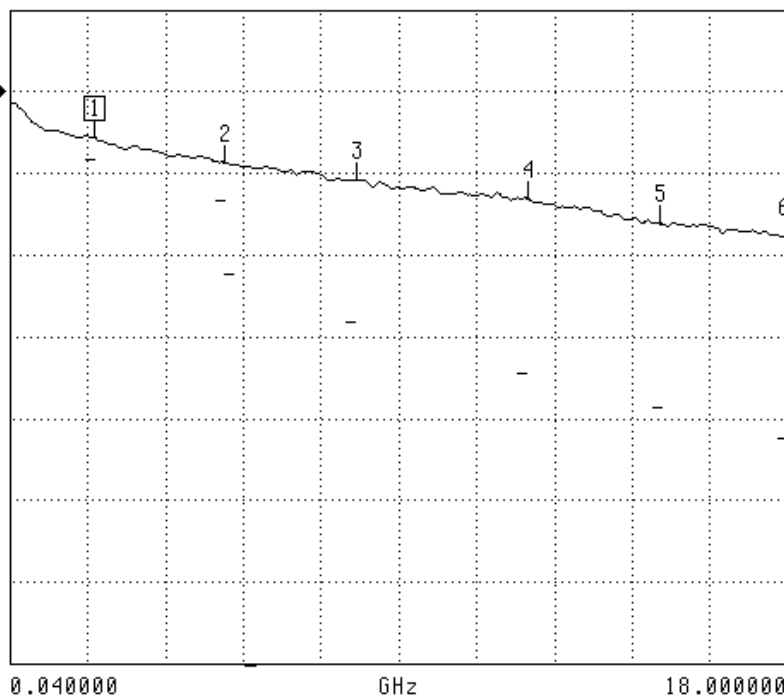
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.056 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.087 dB

 3 8.032200 GHz
 -0.109 dB

 4 12.028300 GHz
 -0.132 dB

 5 15.036600 GHz
 -0.162 dB

 6 18.000000 GHz
 -0.178 dB

 MARKER READOUT
 FUNCTIONS

Couple 116/117

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

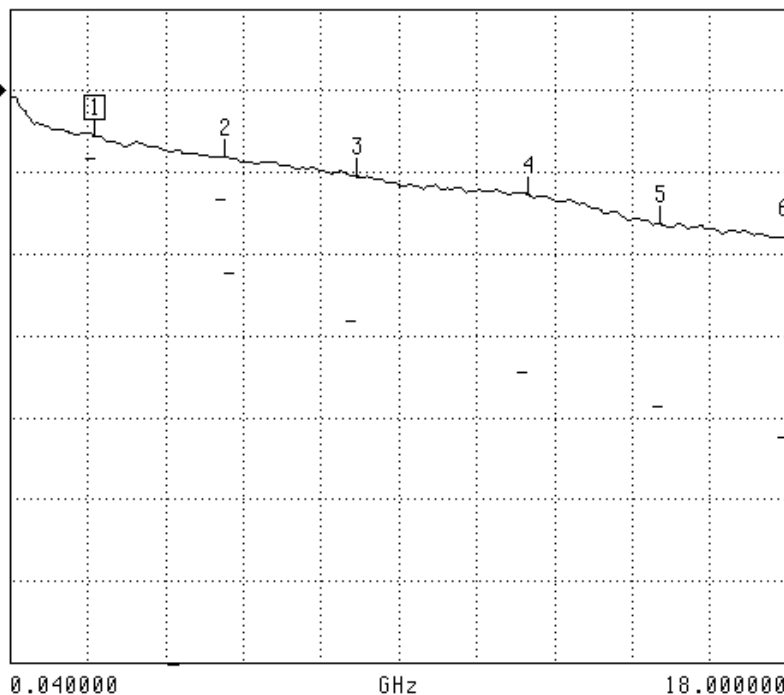
Delay aperture :

R125612140X / Insertion loss back to back / After thermal shocks

07/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.055 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.081 dB

 3 8.032200 GHz
 -0.104 dB

 4 12.028300 GHz
 -0.127 dB

 5 15.036600 GHz
 -0.162 dB

 6 18.000000 GHz
 -0.180 dB

 MARKER READOUT
 FUNCTIONS

Couple 118/119

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

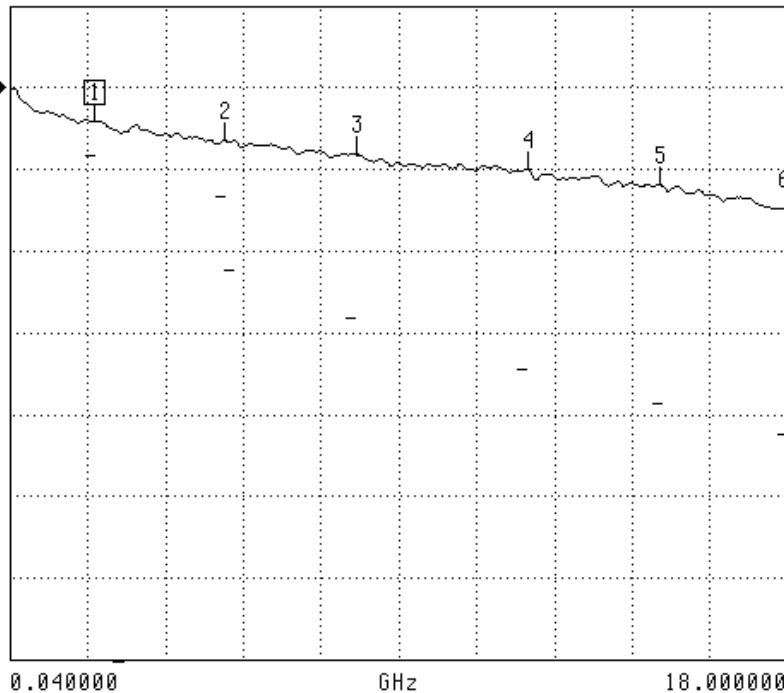
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.041 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.065 dB

 3 8.032200 GHz
 -0.082 dB

 4 12.028300 GHz
 -0.101 dB

 5 15.036600 GHz
 -0.119 dB

 6 18.000000 GHz
 -0.148 dB

 MARKER READOUT
 FUNCTIONS

Couple 1/2

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

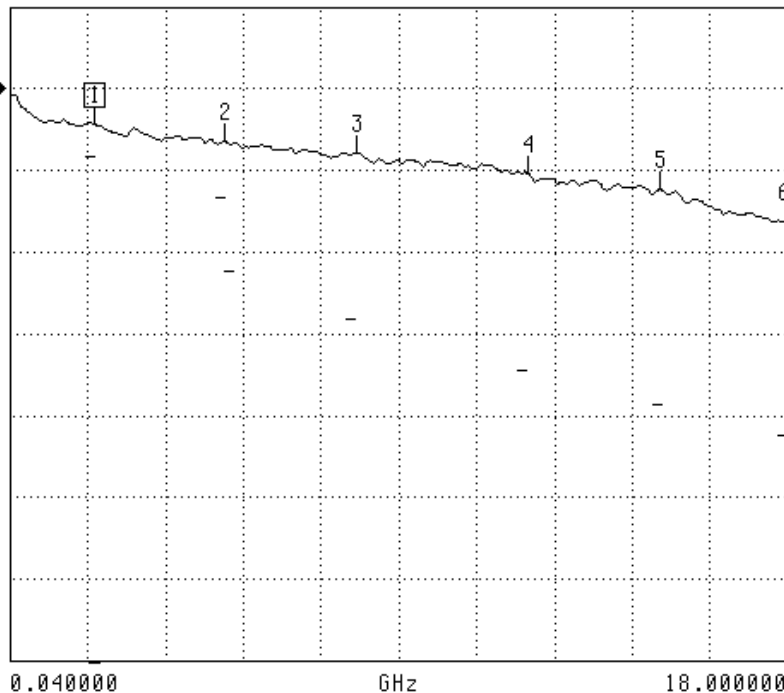
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.044 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.064 dB

 3 8.032200 GHz
 -0.079 dB

 4 12.028300 GHz
 -0.105 dB

 5 15.036600 GHz
 -0.124 dB

 6 18.000000 GHz
 -0.164 dB

 MARKER READOUT
 FUNCTIONS

Couple 3/4

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

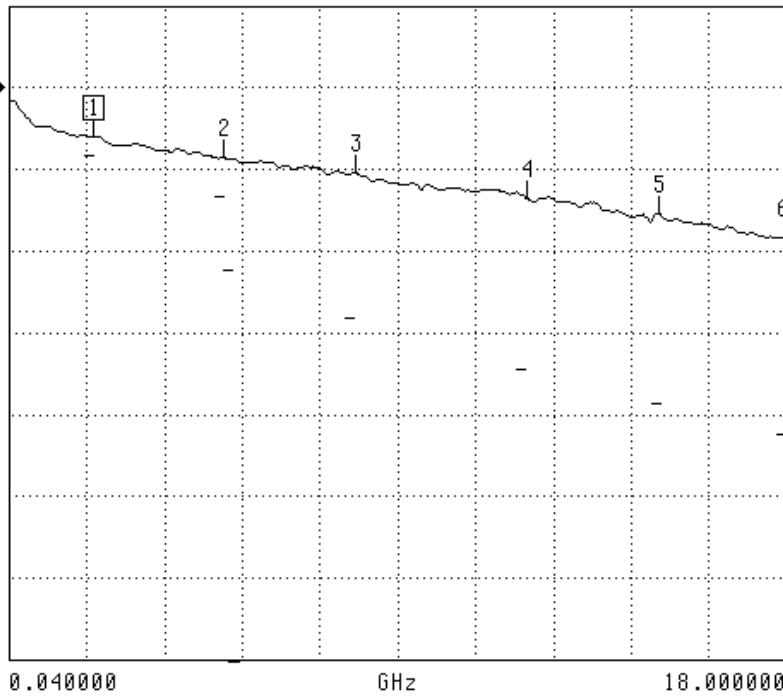
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.060 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.086 dB

 3 8.032200 GHz
 -0.104 dB

 4 12.028300 GHz
 -0.136 dB

 5 15.036600 GHz
 -0.154 dB

 6 18.000000 GHz
 -0.184 dB

 MARKER READOUT
 FUNCTIONS

Couple 5/6

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

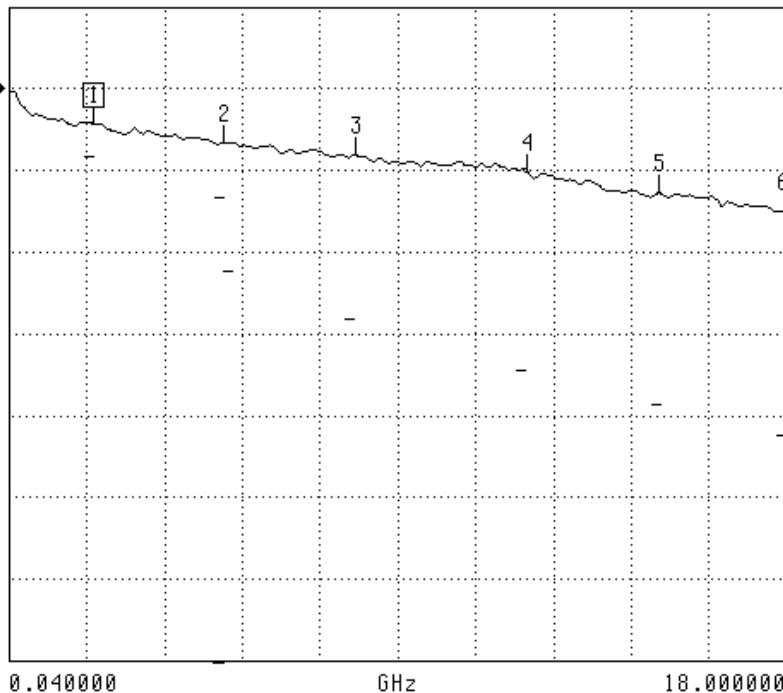
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.043 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.066 dB

 3 8.032200 GHz
 -0.081 dB

 4 12.028300 GHz
 -0.101 dB

 5 15.036600 GHz
 -0.128 dB

 6 18.000000 GHz
 -0.151 dB

 MARKER READOUT
 FUNCTIONS

Couple 7/8

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

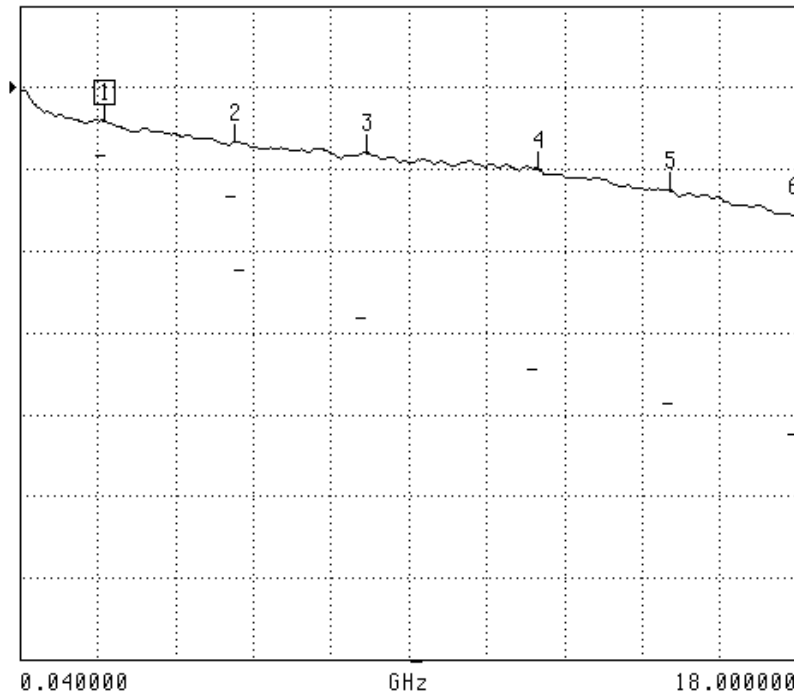
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.041 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.066 dB

 3 8.032200 GHz
 -0.079 dB

 4 12.028300 GHz
 -0.100 dB

 5 15.036600 GHz
 -0.125 dB

 6 18.000000 GHz
 -0.156 dB

 MARKER READOUT
 FUNCTIONS

Couple 9/10

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

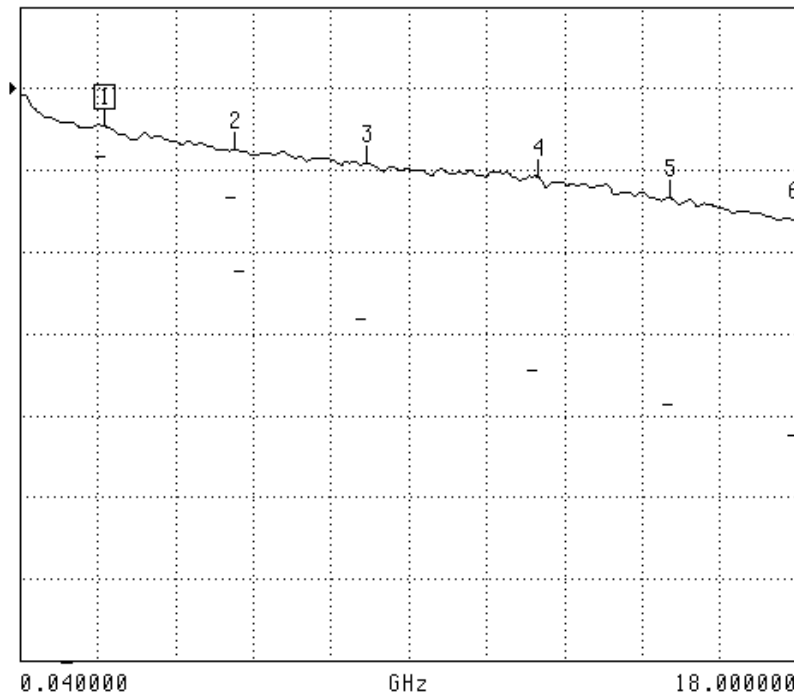
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.046 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.074 dB

 3 8.032200 GHz
 -0.092 dB

 4 12.028300 GHz
 -0.109 dB

 5 15.036600 GHz
 -0.133 dB

 6 18.000000 GHz
 -0.160 dB

 MARKER READOUT
 FUNCTIONS

Couple 11/12

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

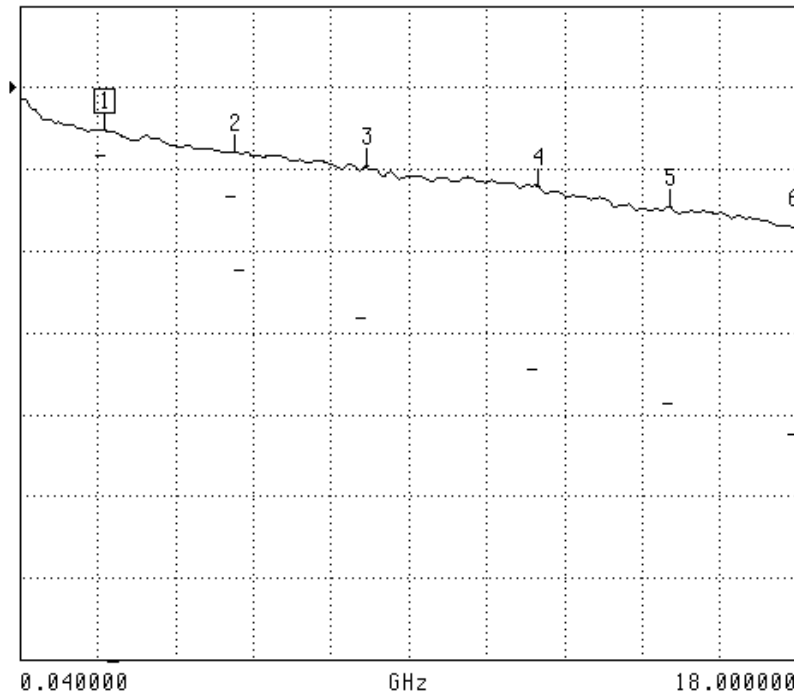
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.052 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.079 dB

 3 8.032200 GHz
 -0.096 dB

 4 12.028300 GHz
 -0.121 dB

 5 15.036600 GHz
 -0.145 dB

 6 18.000000 GHz
 -0.171 dB

 MARKER READOUT
 FUNCTIONS

Couple 13/14

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

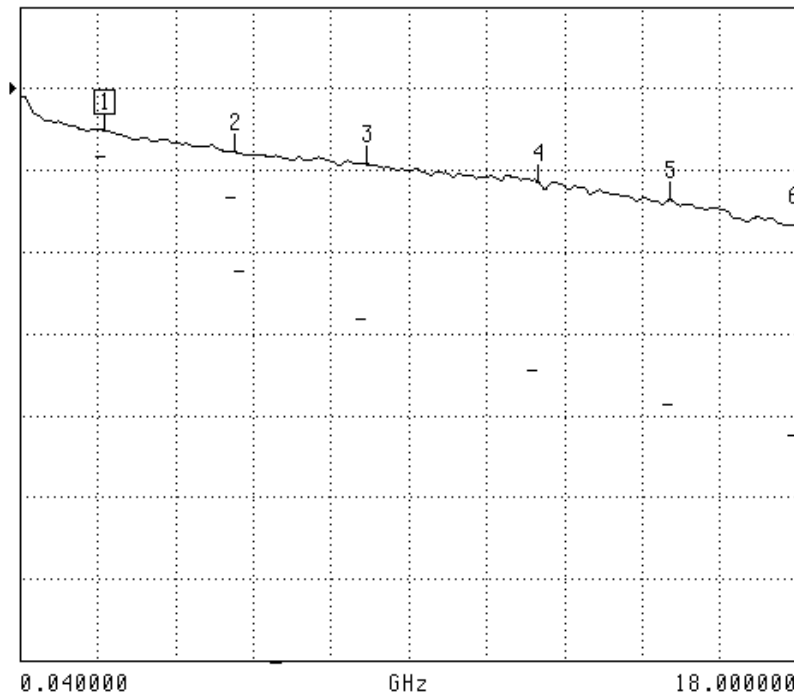
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.051 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.078 dB

 3 8.032200 GHz
 -0.093 dB

 4 12.028300 GHz
 -0.116 dB

 5 15.036600 GHz
 -0.136 dB

 6 18.000000 GHz
 -0.167 dB

 MARKER READOUT
 FUNCTIONS

Couple 15/16

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

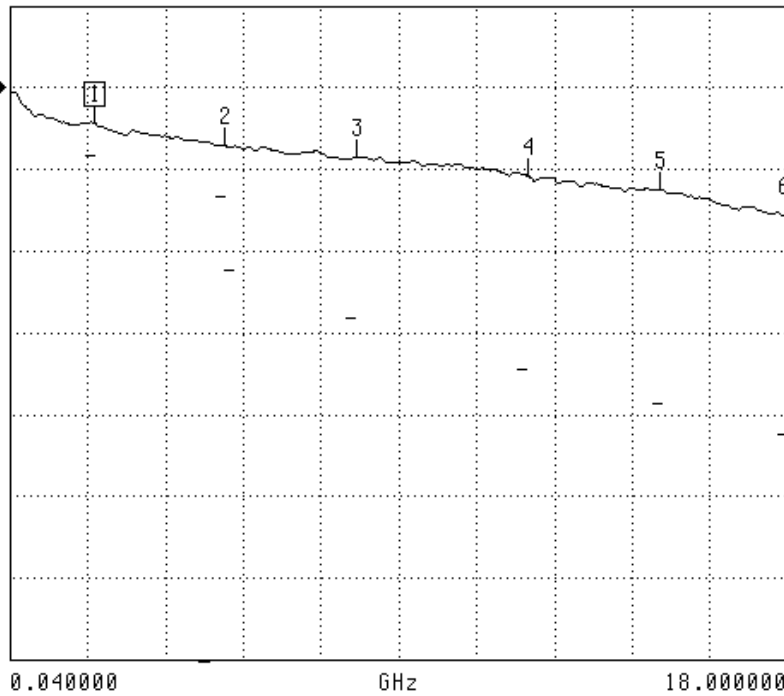
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.044 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.071 dB

 3 8.032200 GHz
 -0.086 dB

 4 12.028300 GHz
 -0.108 dB

 5 15.036600 GHz
 -0.125 dB

 6 18.000000 GHz
 -0.156 dB

 MARKER READOUT
 FUNCTIONS

Couple 17/18

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

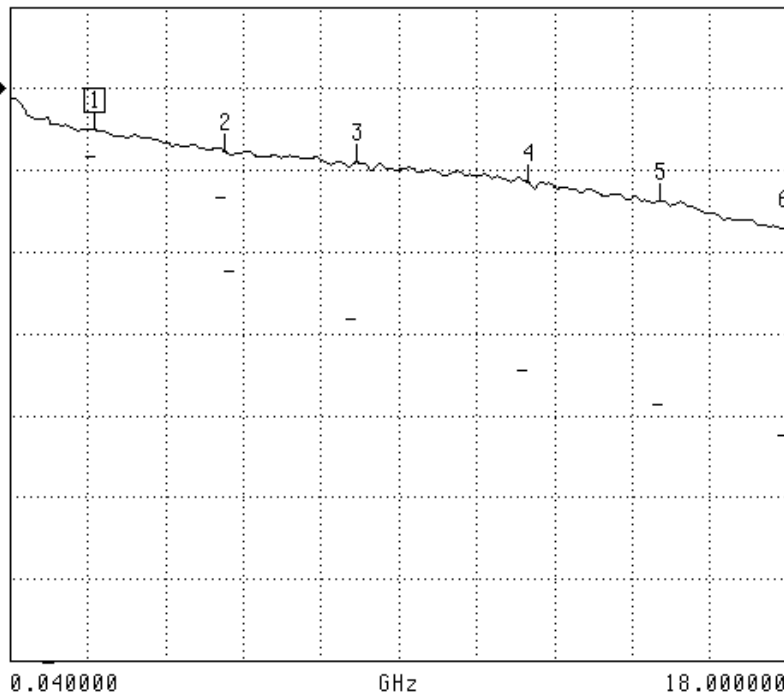
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.050 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.077 dB

 3 8.032200 GHz
 -0.090 dB

 4 12.028300 GHz
 -0.115 dB

 5 15.036600 GHz
 -0.137 dB

 6 18.000000 GHz
 -0.172 dB

 MARKER READOUT
 FUNCTIONS

Couple 19/20

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

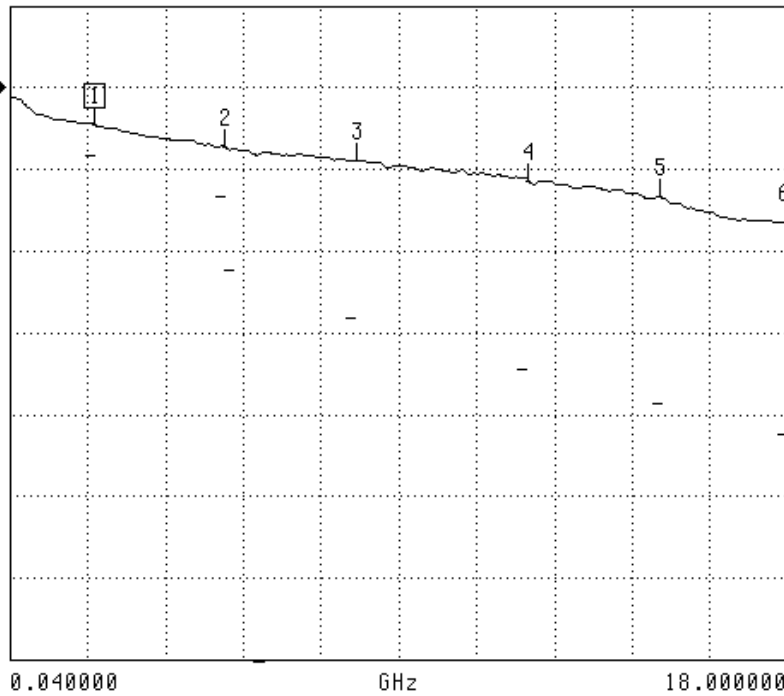
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.046 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.073 dB

 3 8.032200 GHz
 -0.089 dB

 4 12.028300 GHz
 -0.114 dB

 5 15.036600 GHz
 -0.134 dB

 6 18.000000 GHz
 -0.165 dB

 MARKER READOUT
 FUNCTIONS

Couple 21/22

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

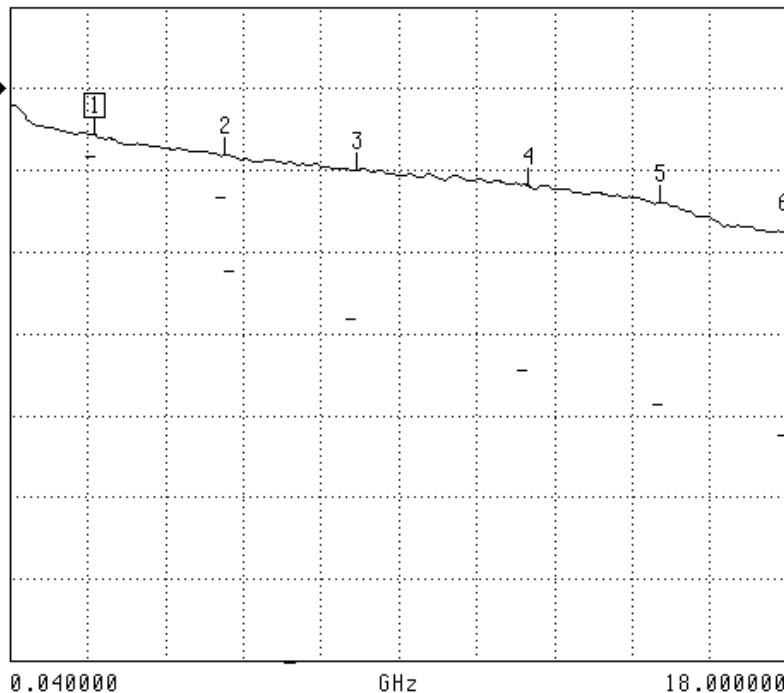
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.057 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.081 dB

 3 8.032200 GHz
 -0.100 dB

 4 12.028300 GHz
 -0.119 dB

 5 15.036600 GHz
 -0.139 dB

 6 18.000000 GHz
 -0.176 dB

 MARKER READOUT
 FUNCTIONS

Couple 23/24

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

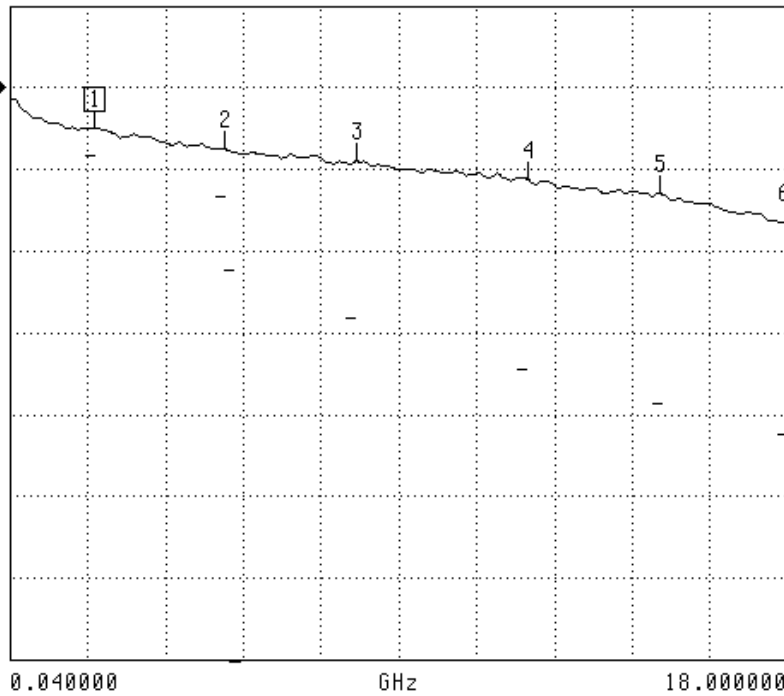
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.049 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.075 dB

 3 8.032200 GHz
 -0.090 dB

 4 12.028300 GHz
 -0.113 dB

 5 15.036600 GHz
 -0.129 dB

 6 18.000000 GHz
 -0.165 dB

 MARKER READOUT
 FUNCTIONS

Couple 25/26

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

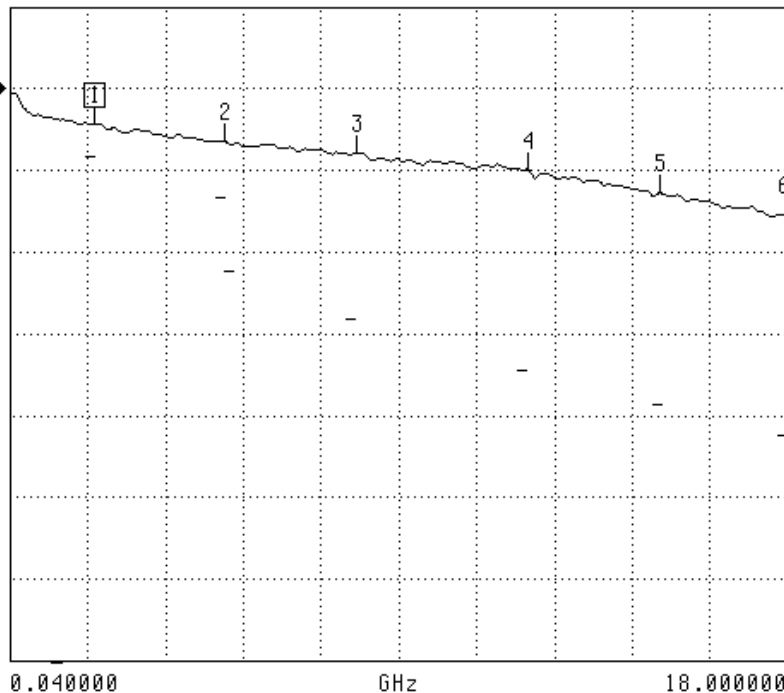
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.043 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.065 dB

 3 8.032200 GHz
 -0.079 dB

 4 12.028300 GHz
 -0.101 dB

 5 15.036600 GHz
 -0.128 dB

 6 18.000000 GHz
 -0.154 dB

 MARKER READOUT
 FUNCTIONS

Couple 27/28

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

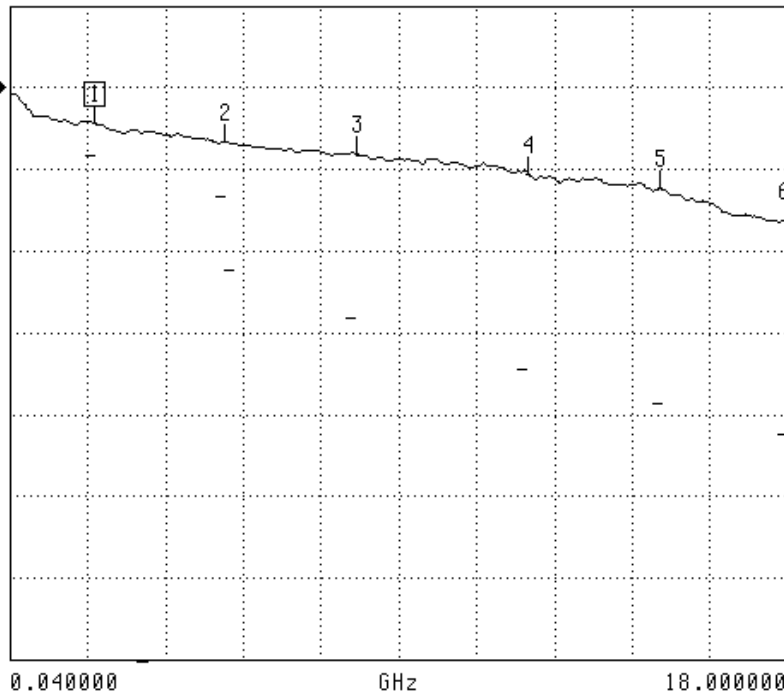
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.044 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.066 dB

 3 8.032200 GHz
 -0.081 dB

 4 12.028300 GHz
 -0.105 dB

 5 15.036600 GHz
 -0.124 dB

 6 18.000000 GHz
 -0.163 dB

 MARKER READOUT
 FUNCTIONS

Couple 29/30

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

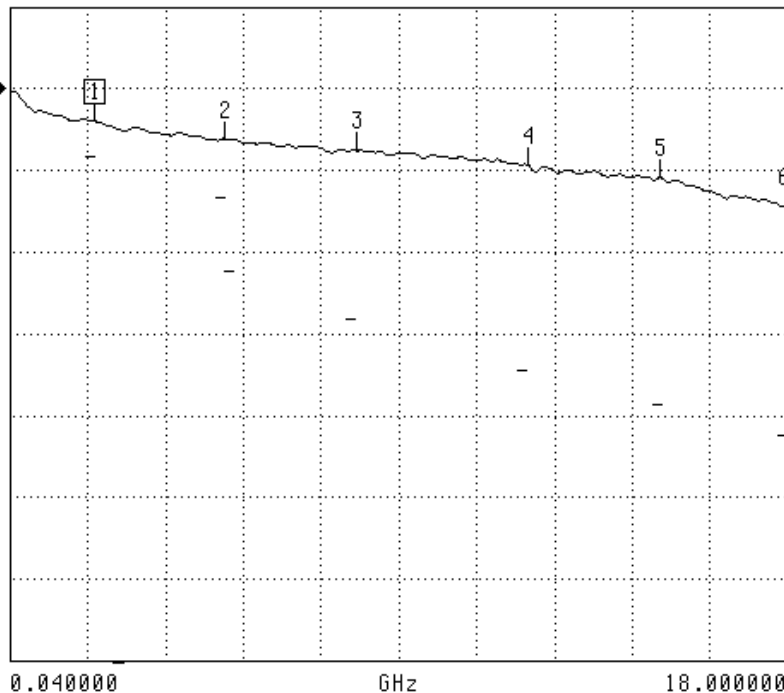
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.039 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.061 dB

 3 8.032200 GHz
 -0.076 dB

 4 12.028300 GHz
 -0.095 dB

 5 15.036600 GHz
 -0.109 dB

 6 18.000000 GHz
 -0.144 dB

 MARKER READOUT
 FUNCTIONS

Couple 31/32

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

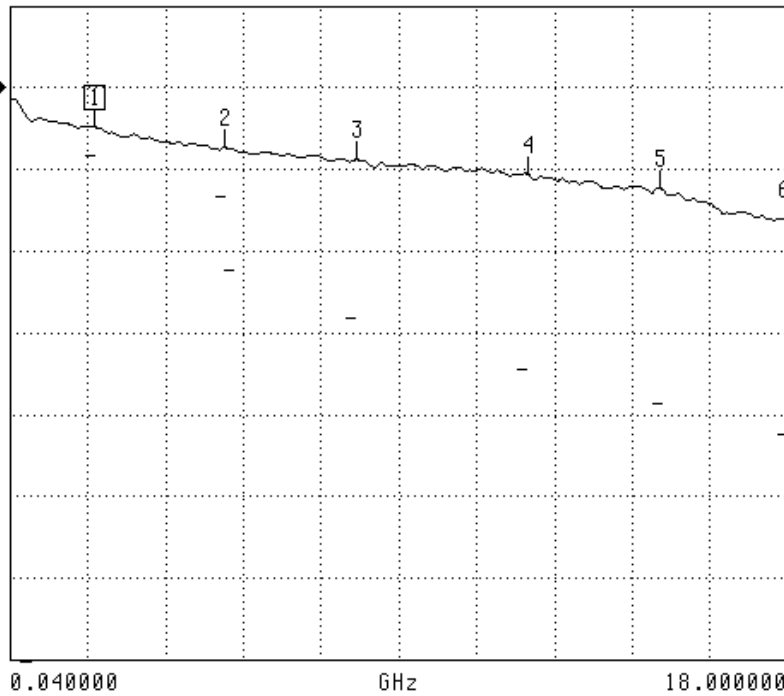
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.049 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.073 dB

 3 8.032200 GHz
 -0.088 dB

 4 12.028300 GHz
 -0.107 dB

 5 15.036600 GHz
 -0.122 dB

 6 18.000000 GHz
 -0.161 dB

 MARKER READOUT
 FUNCTIONS

Couple 33/34

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

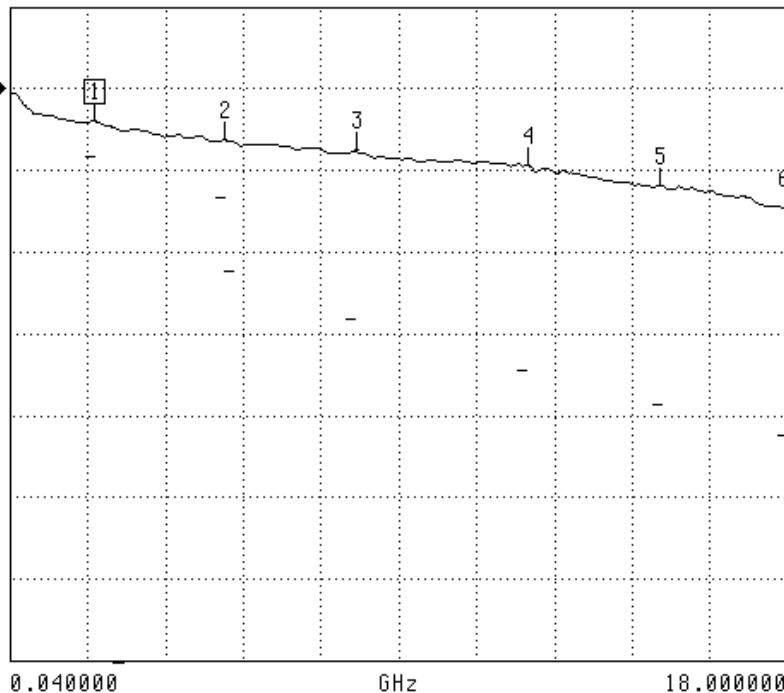
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.040 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.063 dB

 3 8.032200 GHz
 -0.076 dB

 4 12.028300 GHz
 -0.095 dB

 5 15.036600 GHz
 -0.118 dB

 6 18.000000 GHz
 -0.145 dB

 MARKER READOUT
 FUNCTIONS

Couple 35/95

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

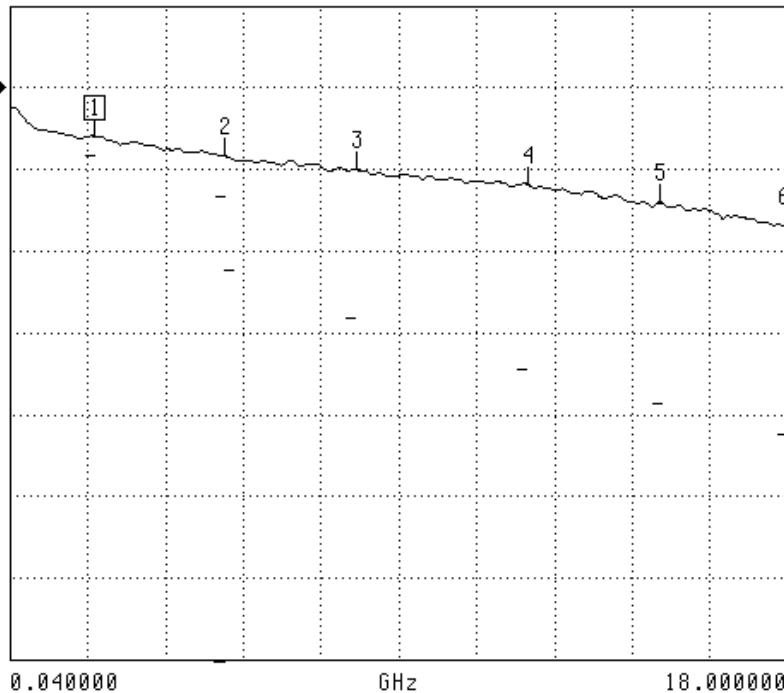
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.060 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.084 dB

 3 8.032200 GHz
 -0.099 dB

 4 12.028300 GHz
 -0.119 dB

 5 15.036600 GHz
 -0.141 dB

 6 18.000000 GHz
 -0.170 dB

 MARKER READOUT
 FUNCTIONS

Couple 96/97

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

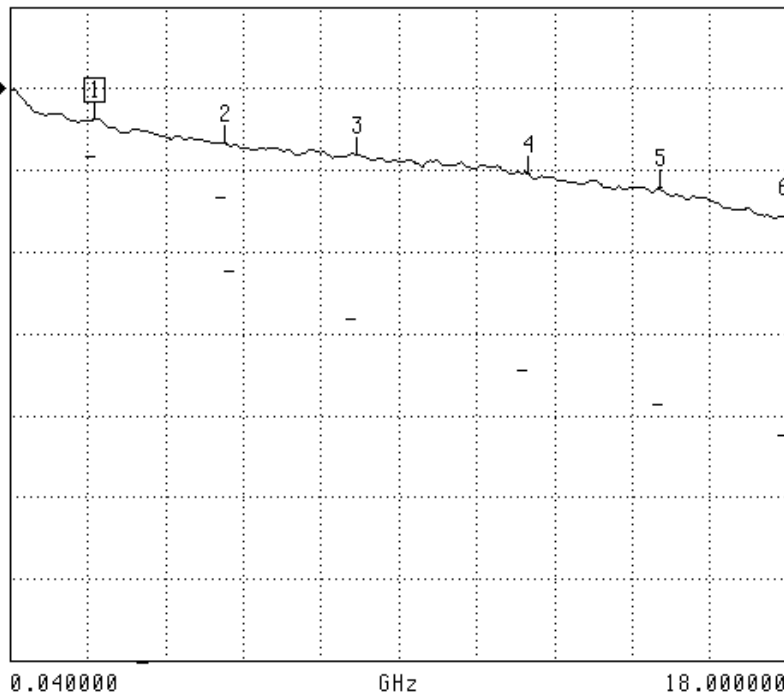
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.038 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.067 dB

 3 8.032200 GHz
 -0.080 dB

 4 12.028300 GHz
 -0.105 dB

 5 15.036600 GHz
 -0.122 dB

 6 18.000000 GHz
 -0.157 dB

 MARKER READOUT
 FUNCTIONS

Couple 98/99

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

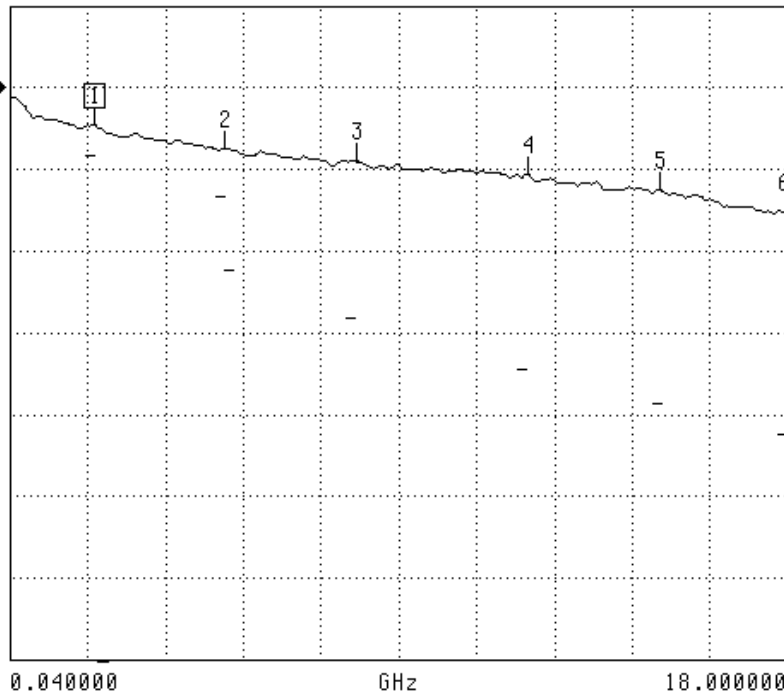
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.046 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.075 dB

 3 8.032200 GHz
 -0.089 dB

 4 12.028300 GHz
 -0.107 dB

 5 15.036600 GHz
 -0.124 dB

 6 18.000000 GHz
 -0.153 dB

 MARKER READOUT
 FUNCTIONS

Couple 100/101

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

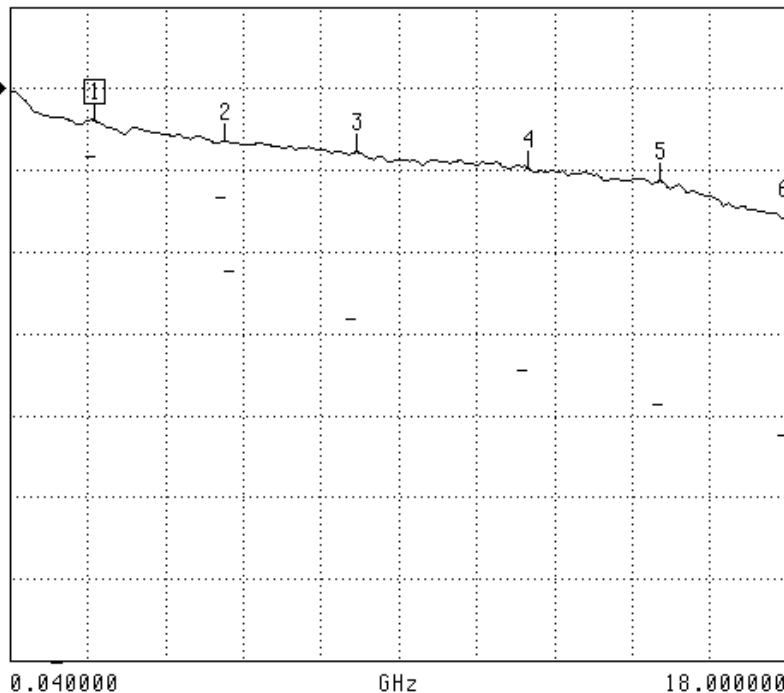
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.038 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.065 dB

 3 8.032200 GHz
 -0.077 dB

 4 12.028300 GHz
 -0.097 dB

 5 15.036600 GHz
 -0.113 dB

 6 18.000000 GHz
 -0.158 dB

 MARKER READOUT
 FUNCTIONS

Couple 102/103

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

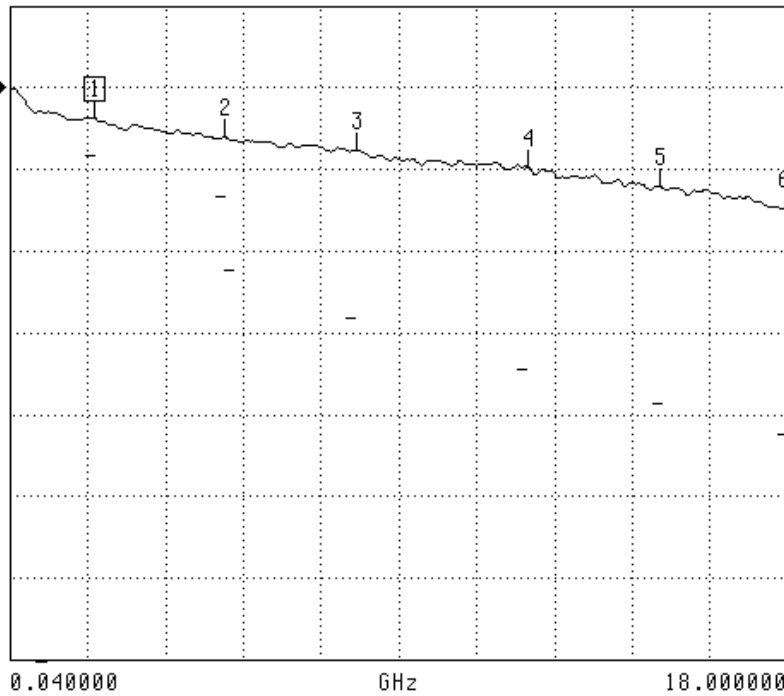
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.038 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.061 dB

 3 8.032200 GHz
 -0.076 dB

 4 12.028300 GHz
 -0.098 dB

 5 15.036600 GHz
 -0.121 dB

 6 18.000000 GHz
 -0.149 dB

 MARKER READOUT
 FUNCTIONS

Couple 104/105

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

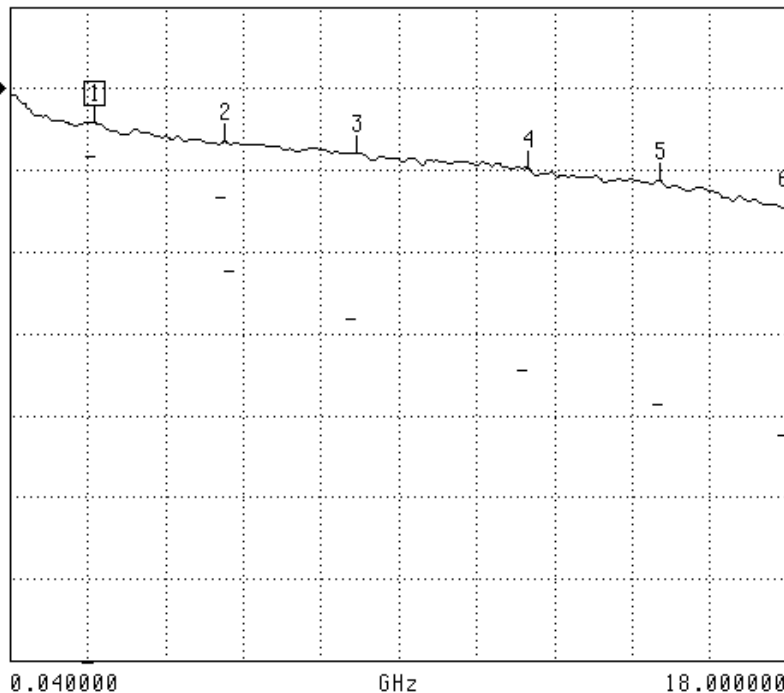
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.042 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.065 dB

 3 8.032200 GHz
 -0.079 dB

 4 12.028300 GHz
 -0.098 dB

 5 15.036600 GHz
 -0.112 dB

 6 18.000000 GHz
 -0.146 dB

 MARKER READOUT
 FUNCTIONS

Couple 106/107

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

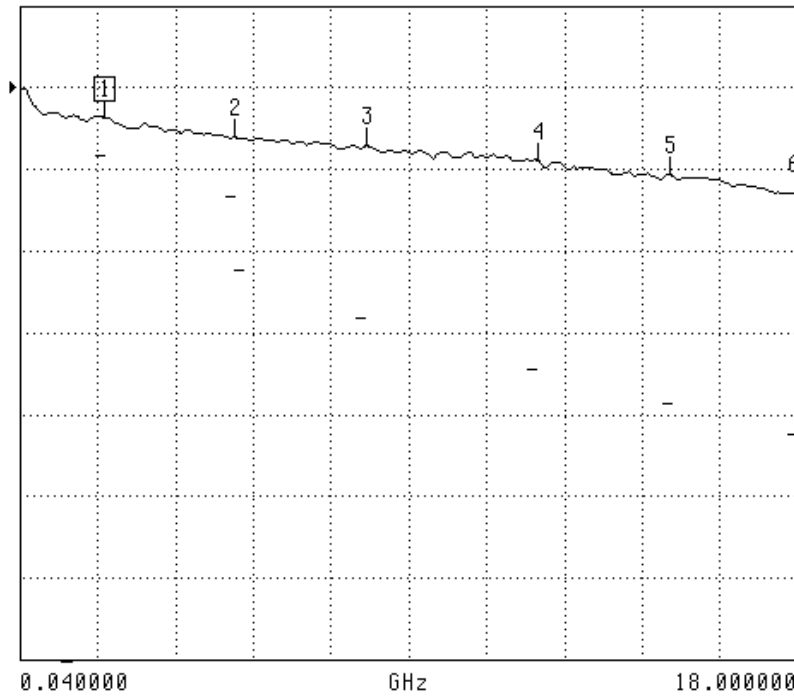
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.036 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.060 dB

 3 8.032200 GHz
 -0.071 dB

 4 12.028300 GHz
 -0.090 dB

 5 15.036600 GHz
 -0.106 dB

 6 18.000000 GHz
 -0.130 dB

 MARKER READOUT
 FUNCTIONS

Couple 108/109

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

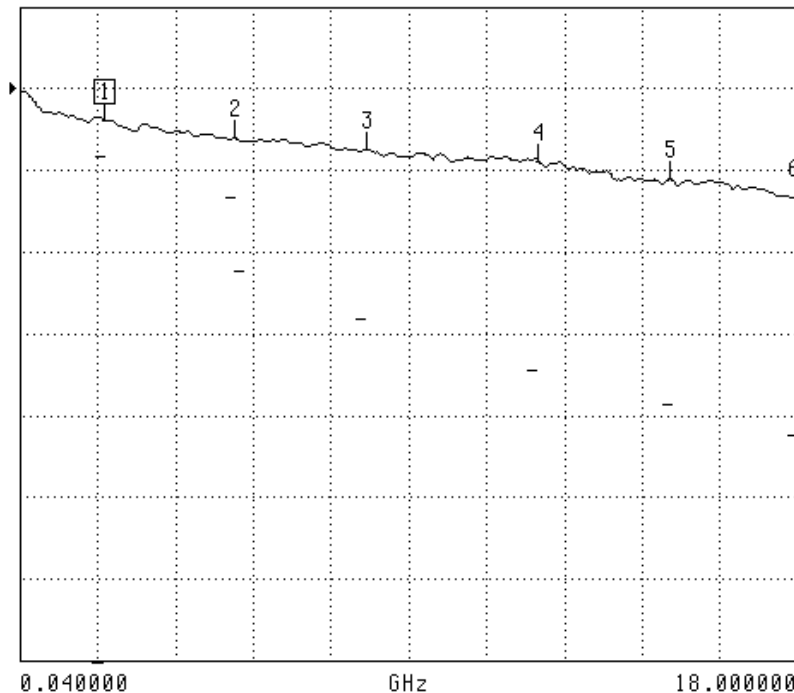
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.039 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.061 dB

 3 8.032200 GHz
 -0.075 dB

 4 12.028300 GHz
 -0.089 dB

 5 15.036600 GHz
 -0.111 dB

 6 18.000000 GHz
 -0.134 dB

 MARKER READOUT
 FUNCTIONS

Couple 110/111

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

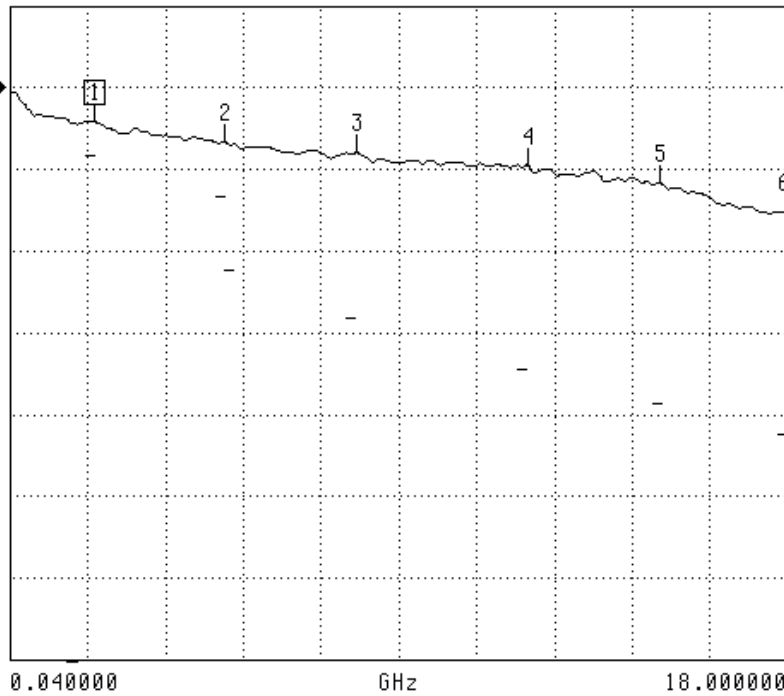
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.042 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.067 dB

 3 8.032200 GHz
 -0.080 dB

 4 12.028300 GHz
 -0.097 dB

 5 15.036600 GHz
 -0.116 dB

 6 18.000000 GHz
 -0.152 dB

 MARKER READOUT
 FUNCTIONS

Couple 112/113

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

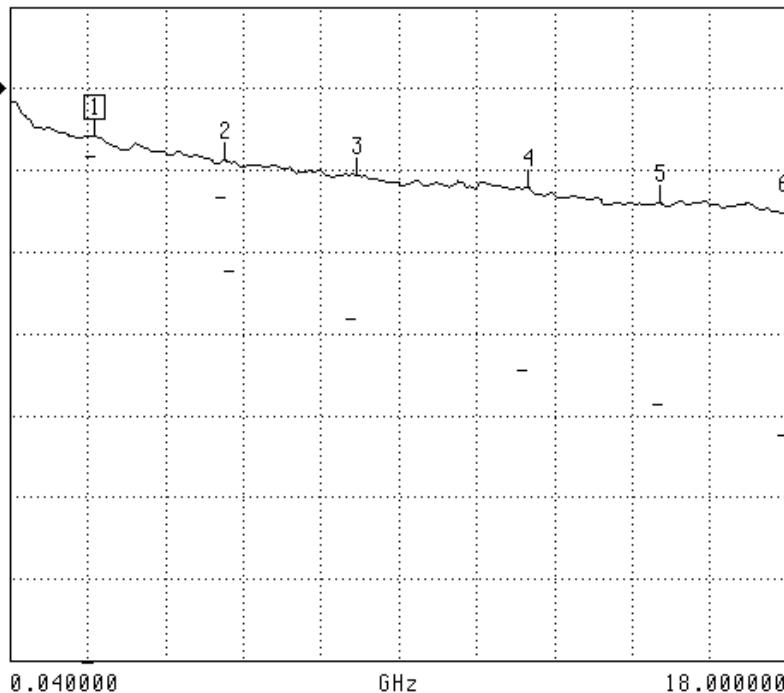
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.058 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.088 dB

 3 8.032200 GHz
 -0.106 dB

 4 12.028300 GHz
 -0.122 dB

 5 15.036600 GHz
 -0.140 dB

 6 18.000000 GHz
 -0.152 dB

 MARKER READOUT
 FUNCTIONS

Couple 114/115

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

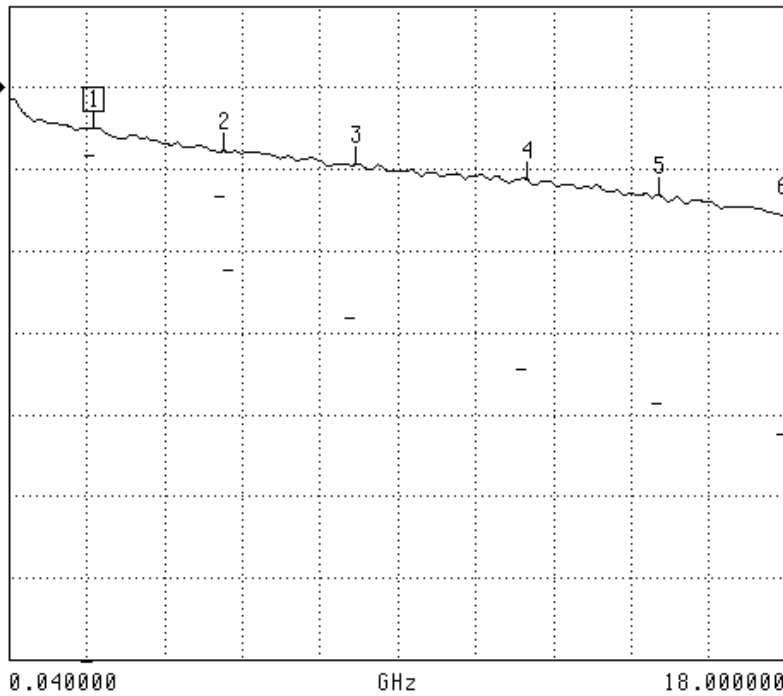
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.050 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.078 dB

 3 8.032200 GHz
 -0.093 dB

 4 12.028300 GHz
 -0.113 dB

 5 15.036600 GHz
 -0.131 dB

 6 18.000000 GHz
 -0.156 dB

 MARKER READOUT
 FUNCTIONS

Couple 116/117

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

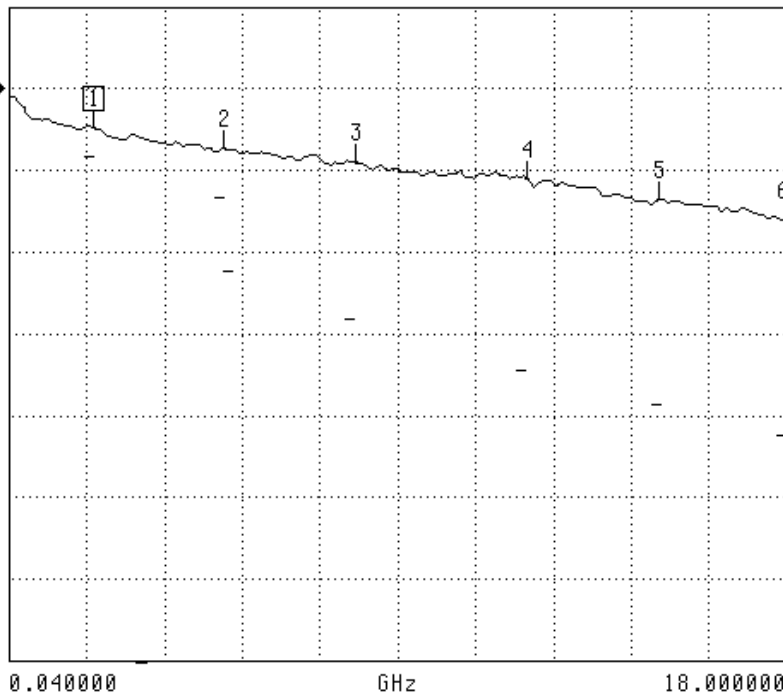
Delay aperture :

R125612140X / Insertion loss back to back / Low temperature -40°C

08/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.049 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.073 dB

 3 8.032200 GHz
 -0.090 dB

 4 12.028300 GHz
 -0.111 dB

 5 15.036600 GHz
 -0.135 dB

 6 18.000000 GHz
 -0.160 dB

 MARKER READOUT
 FUNCTIONS

Couple 118/119

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

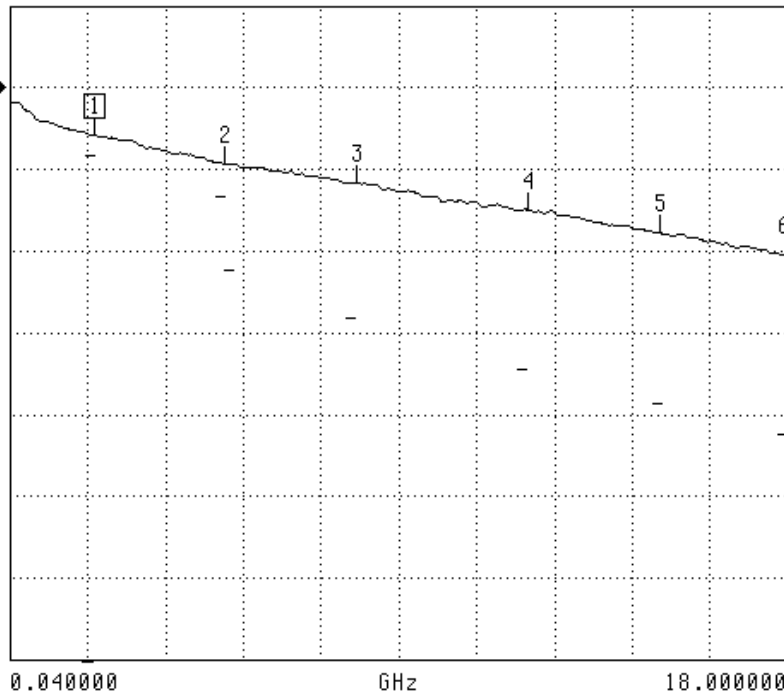
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.059 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.093 dB

 3 8.032200 GHz
 -0.117 dB

 4 12.028300 GHz
 -0.150 dB

 5 15.036600 GHz
 -0.178 dB

 6 18.000000 GHz
 -0.206 dB

 MARKER READOUT
 FUNCTIONS

Couple 1/2

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

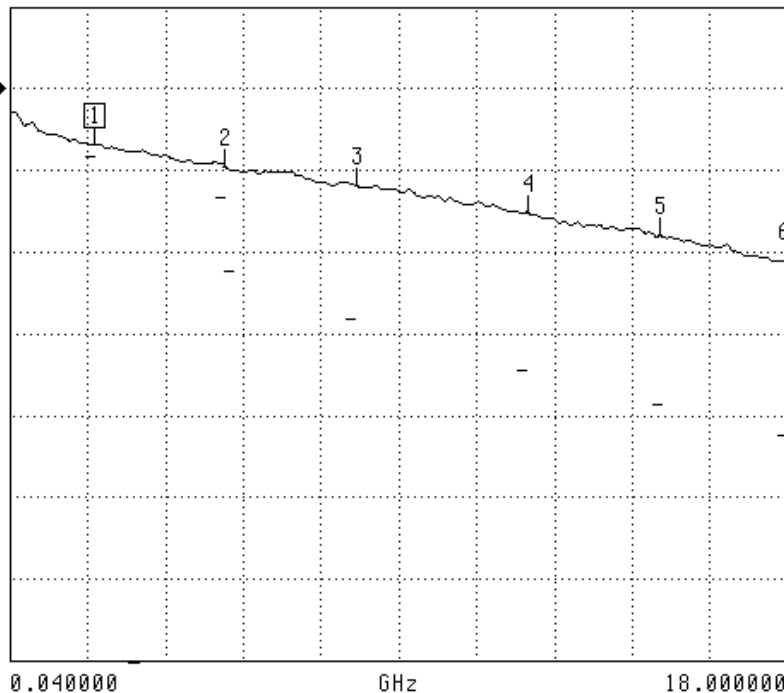
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.069 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.096 dB

 3 8.032200 GHz
 -0.118 dB

 4 12.028300 GHz
 -0.152 dB

 5 15.036600 GHz
 -0.181 dB

 6 18.000000 GHz
 -0.212 dB

 MARKER READOUT
 FUNCTIONS

Couple 3/4

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

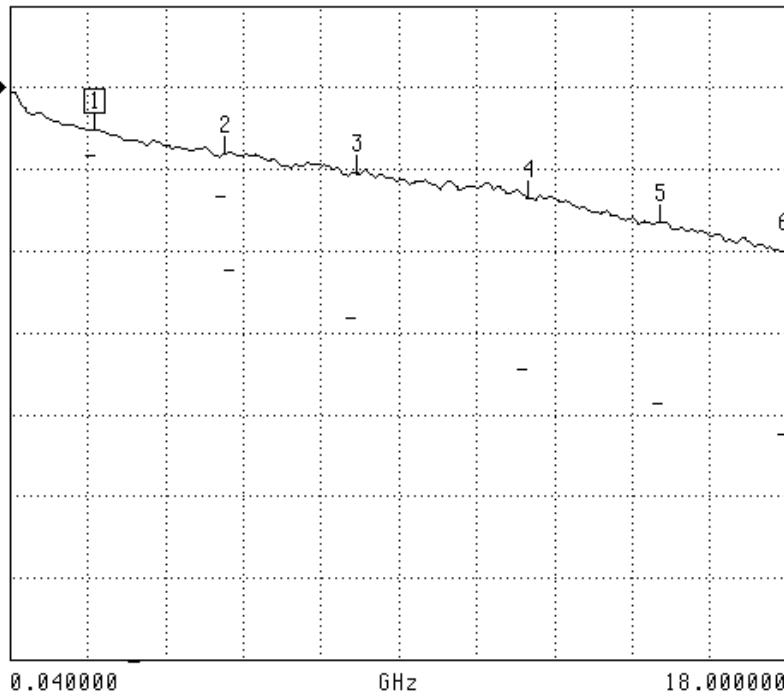
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.051 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.080 dB

 3 8.032200 GHz
 -0.105 dB

 4 12.028300 GHz
 -0.135 dB

 5 15.036600 GHz
 -0.164 dB

 6 18.000000 GHz
 -0.201 dB

 MARKER READOUT
 FUNCTIONS

Couple 5/6

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

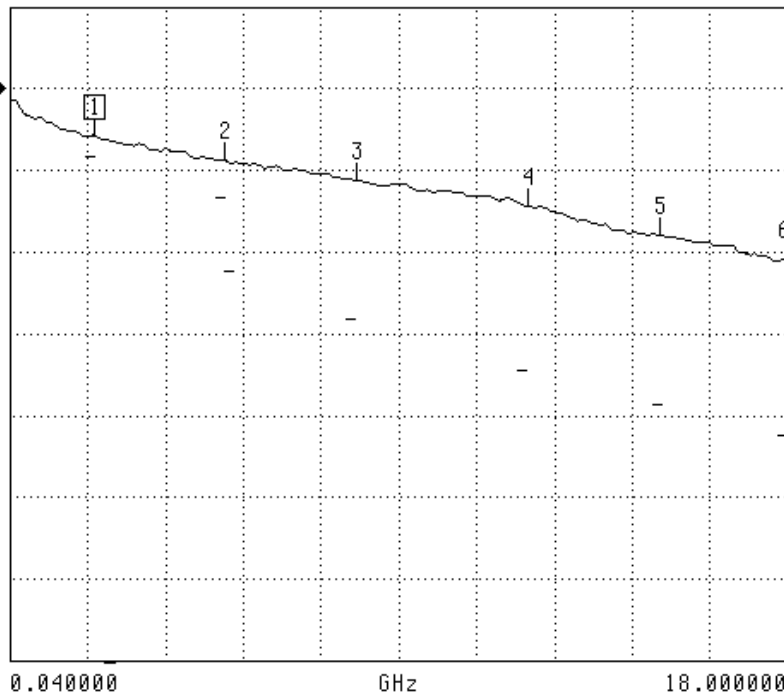
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.057 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.088 dB

 3 8.032200 GHz
 -0.113 dB

 4 12.028300 GHz
 -0.143 dB

 5 15.036600 GHz
 -0.179 dB

 6 18.000000 GHz
 -0.209 dB

 MARKER READOUT
 FUNCTIONS

Couple 7/8

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

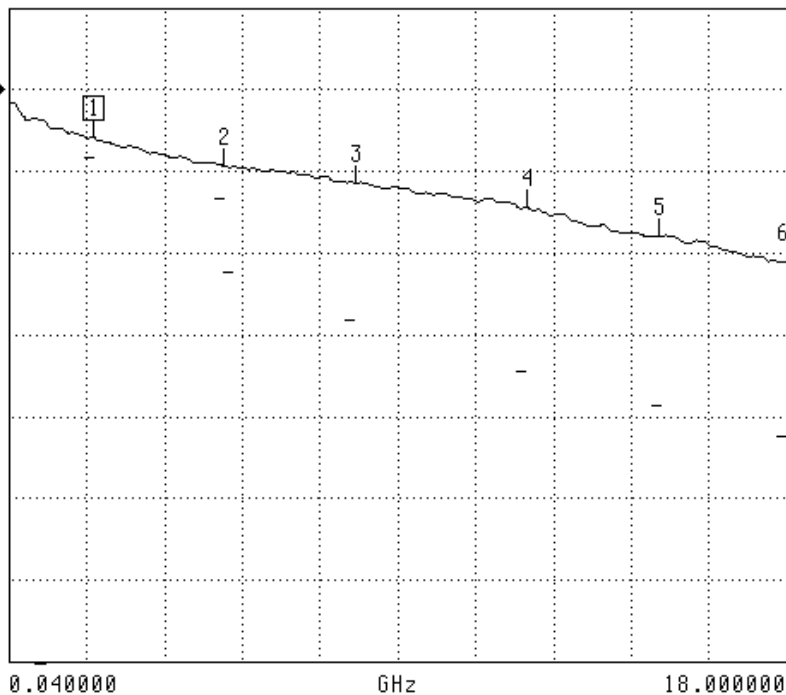
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 SAVE / RECALL
 FRONT PANEL
 AND CAL DATA
 ▶SAVE
 RECALL
 PRESS <ENTER>
 TO SELECT
 FUNCTION

Couple 9/10

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

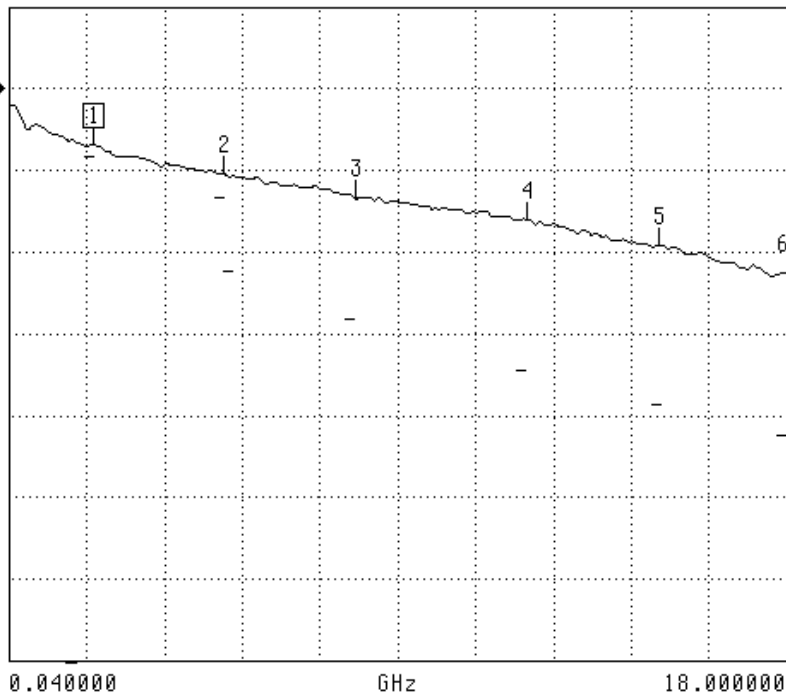
 Error corr. : 12-TERM
 Averaging : 1 PT
 Smoothing : 2.00%
 Reference plane :
 0mm
 IF Bandwidth : 1KHz
 Normalization : OFF
 Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.069 dB

 MARKER TO MAX
 MARKER TO MIN

2	5.023900 GHz	-0.105 dB
3	8.032200 GHz	-0.134 dB
4	12.028300 GHz	-0.161 dB
5	15.036600 GHz	-0.192 dB
6	18.000000 GHz	-0.227 dB

 MARKER READOUT
 FUNCTIONS

Couple 11/12

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

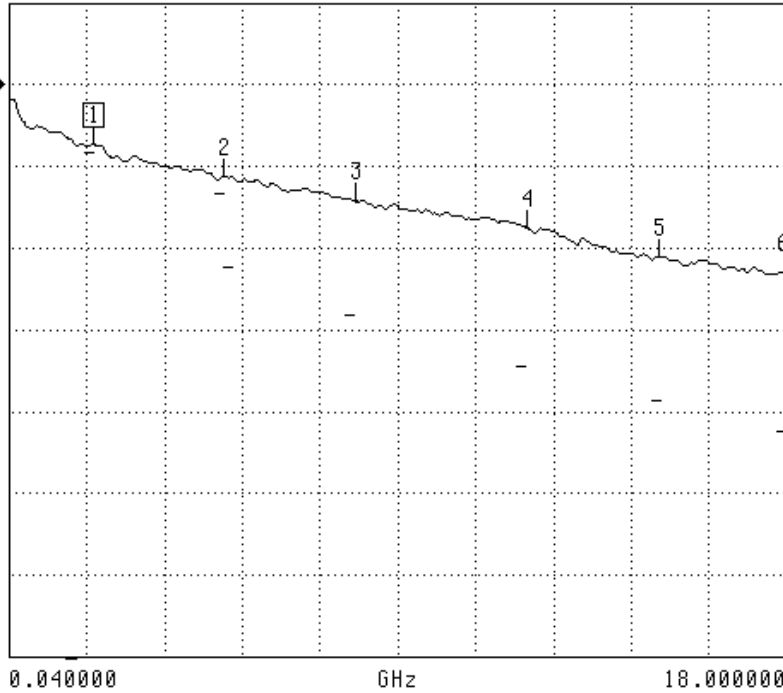
 Error corr. : 12-TERM
 Averaging : 1 PT
 Smoothing : 2.00%
 Reference plane :
 0mm
 IF Bandwidth : 1KHz
 Normalization : OFF
 Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.074 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.113 dB

 3 8.032200 GHz
 -0.143 dB

 4 12.028300 GHz
 -0.175 dB

 5 15.036600 GHz
 -0.210 dB

 6 18.000000 GHz
 -0.230 dB

 MARKER READOUT
 FUNCTIONS

Couple 13/14

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

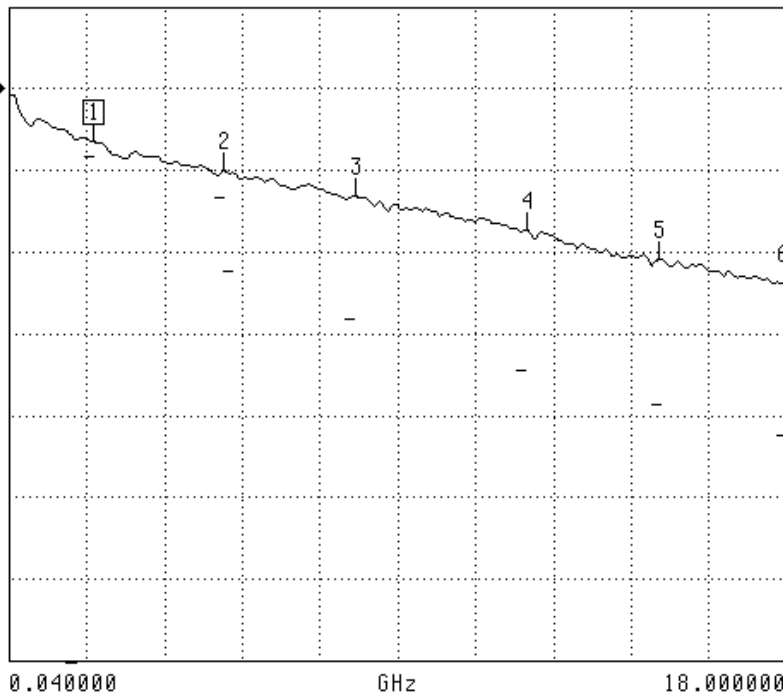
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.065 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.101 dB

 3 8.032200 GHz
 -0.131 dB

 4 12.028300 GHz
 -0.174 dB

 5 15.036600 GHz
 -0.209 dB

 6 18.000000 GHz
 -0.238 dB

 MARKER READOUT
 FUNCTIONS

Couple 15/16

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

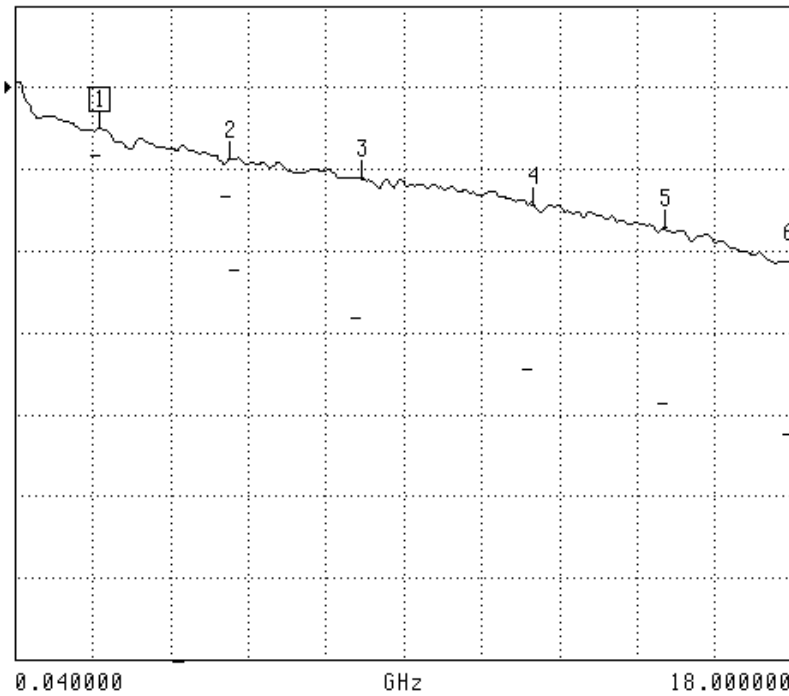
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.050 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.088 dB

 3 8.032200 GHz
 -0.111 dB

 4 12.028300 GHz
 -0.144 dB

 5 15.036600 GHz
 -0.172 dB

 6 18.000000 GHz
 -0.214 dB

 MARKER READOUT
 FUNCTIONS

Couple 17/18

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

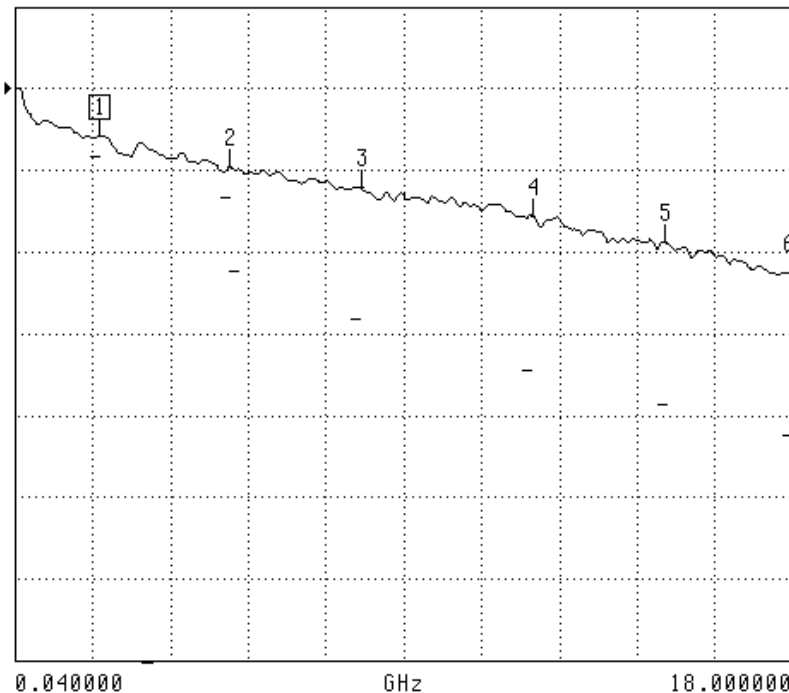
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.059 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.097 dB

 3 8.032200 GHz
 -0.121 dB

 4 12.028300 GHz
 -0.156 dB

 5 15.036600 GHz
 -0.187 dB

 6 18.000000 GHz
 -0.226 dB

 MARKER READOUT
 FUNCTIONS

Couple 19/20

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

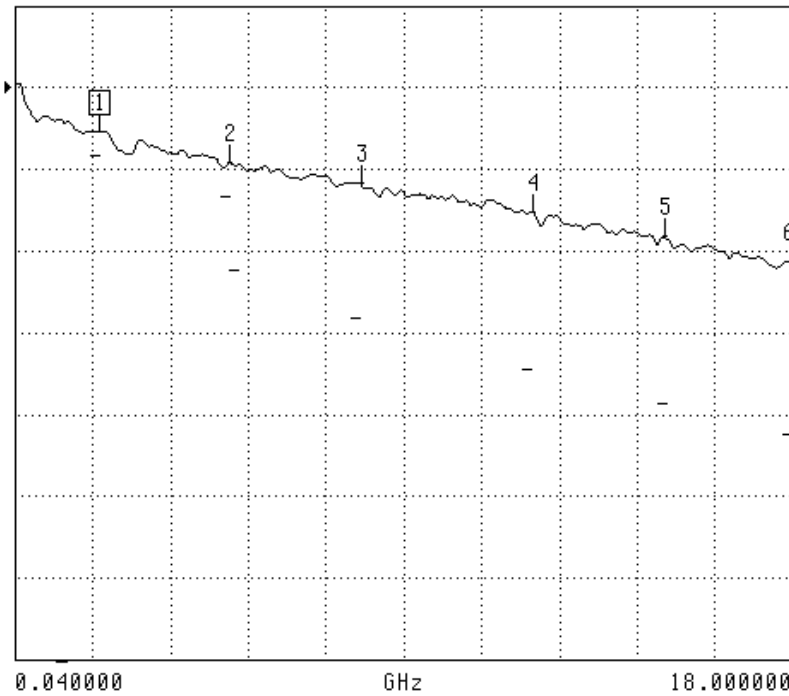
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.054 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.092 dB

 3 8.032200 GHz
 -0.117 dB

 4 12.028300 GHz
 -0.153 dB

 5 15.036600 GHz
 -0.183 dB

 6 18.000000 GHz
 -0.213 dB

 MARKER READOUT
 FUNCTIONS

Couple 21/22

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

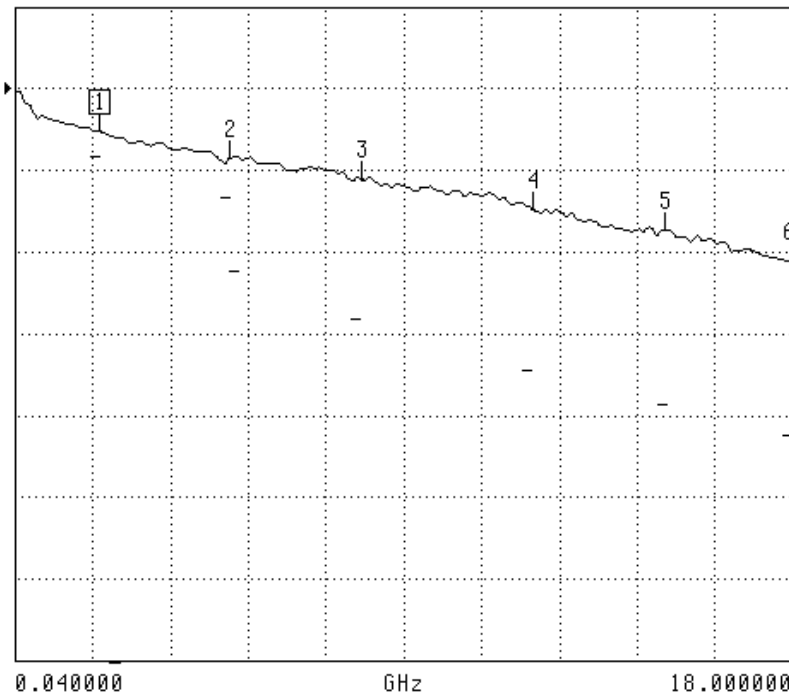
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.052 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.086 dB

 3 8.032200 GHz
 -0.111 dB

 4 12.028300 GHz
 -0.148 dB

 5 15.036600 GHz
 -0.173 dB

 6 18.000000 GHz
 -0.212 dB

 MARKER READOUT
 FUNCTIONS

Couple 23/24

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

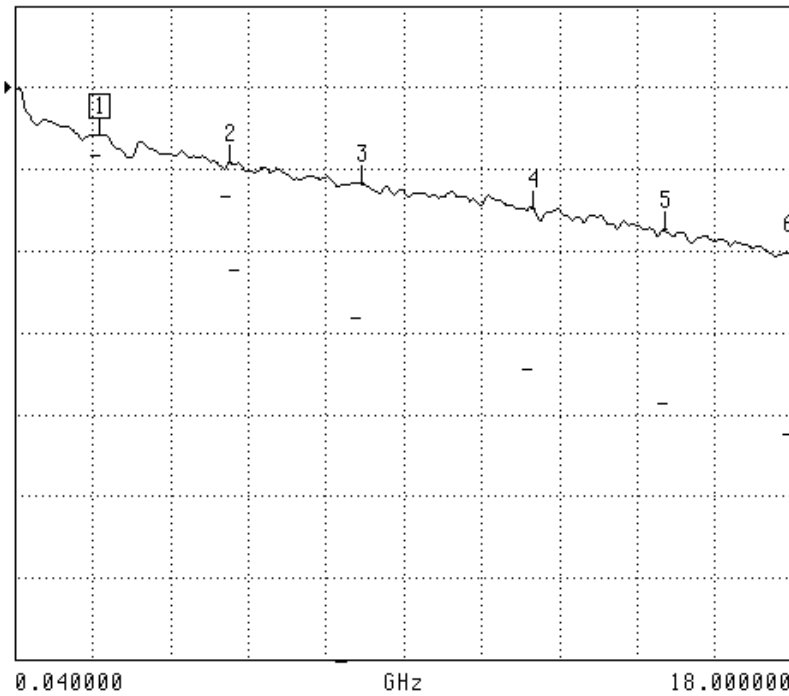
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.058 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.091 dB

 3 8.032200 GHz
 -0.117 dB

 4 12.028300 GHz
 -0.149 dB

 5 15.036600 GHz
 -0.174 dB

 6 18.000000 GHz
 -0.203 dB

 MARKER READOUT
 FUNCTIONS

Couple 25/26

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

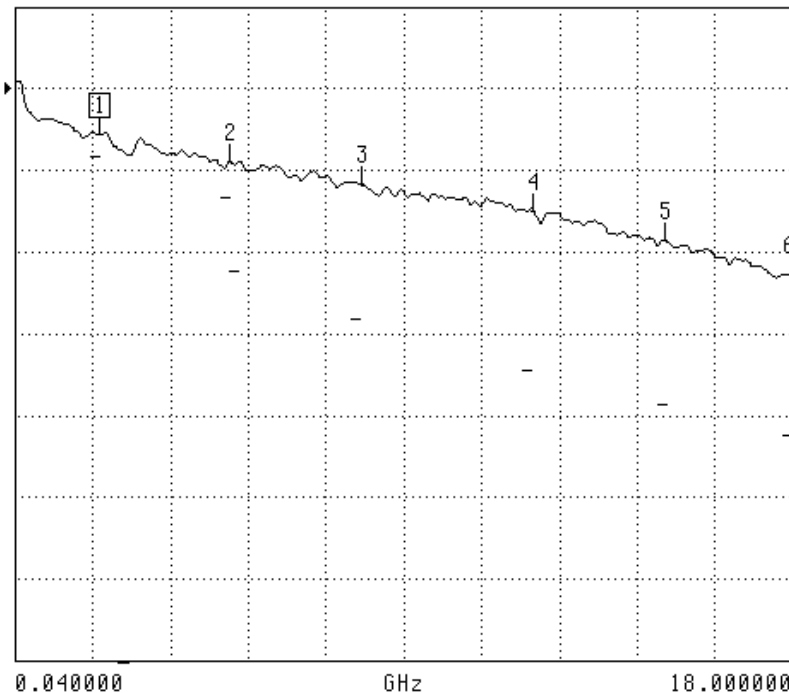
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.056 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.089 dB

 3 8.032200 GHz
 -0.116 dB

 4 12.028300 GHz
 -0.150 dB

 5 15.036600 GHz
 -0.186 dB

 6 18.000000 GHz
 -0.227 dB

 MARKER READOUT
 FUNCTIONS

Couple 27/28

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

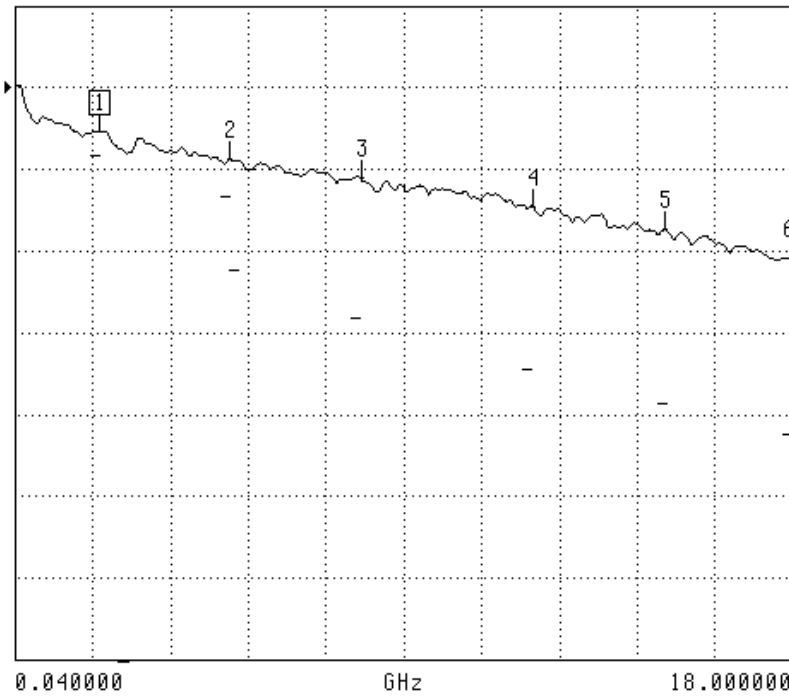
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.054 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.087 dB

 3 8.032200 GHz
 -0.111 dB

 4 12.028300 GHz
 -0.147 dB

 5 15.036600 GHz
 -0.174 dB

 6 18.000000 GHz
 -0.209 dB

 MARKER READOUT
 FUNCTIONS

Couple 29/30

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

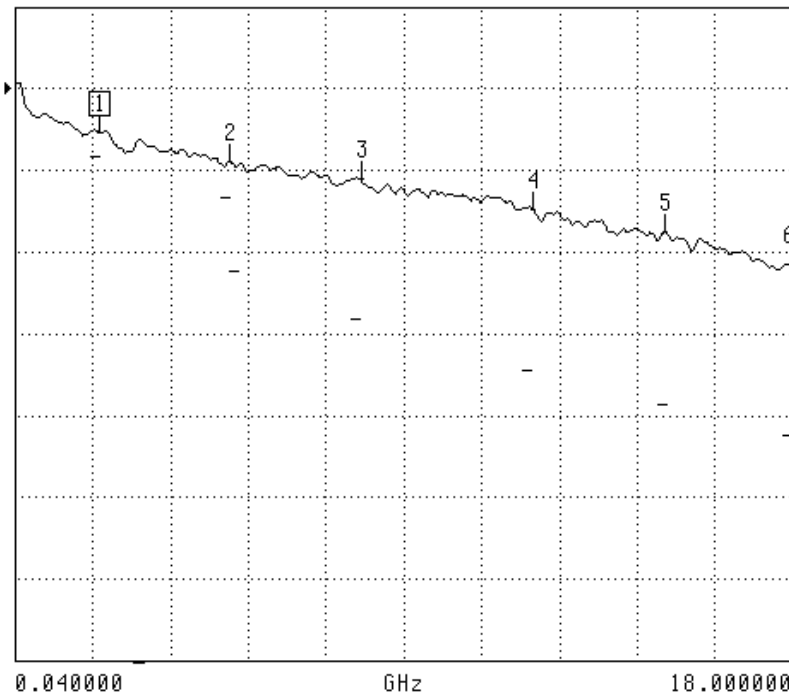
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.053 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.089 dB

 3 8.032200 GHz
 -0.112 dB

 4 12.028300 GHz
 -0.149 dB

 5 15.036600 GHz
 -0.176 dB

 6 18.000000 GHz
 -0.216 dB

 MARKER READOUT
 FUNCTIONS

Couple 31/32

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

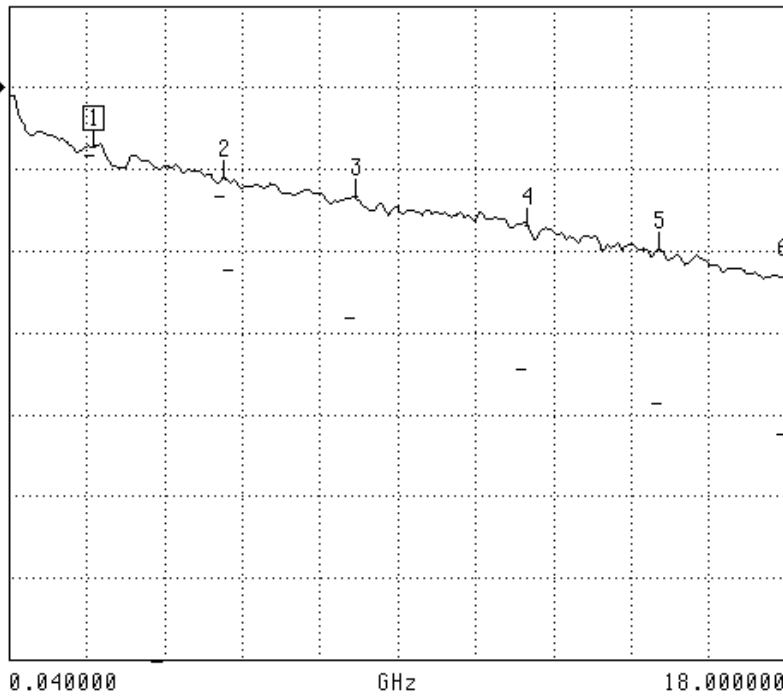
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.072 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.111 dB

 3 8.032200 GHz
 -0.134 dB

 4 12.028300 GHz
 -0.170 dB

 5 15.036600 GHz
 -0.198 dB

 6 18.000000 GHz
 -0.233 dB

 MARKER READOUT
 FUNCTIONS

Couple 33/34

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

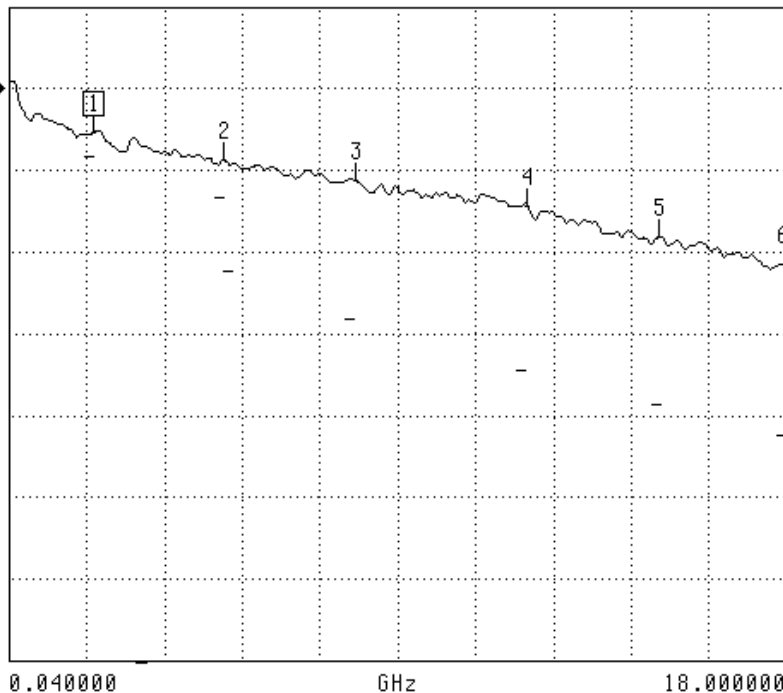
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.054 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.087 dB

 3 8.032200 GHz
 -0.112 dB

 4 12.028300 GHz
 -0.143 dB

 5 15.036600 GHz
 -0.181 dB

 6 18.000000 GHz
 -0.215 dB

 MARKER READOUT
 FUNCTIONS

Couple 35/95

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

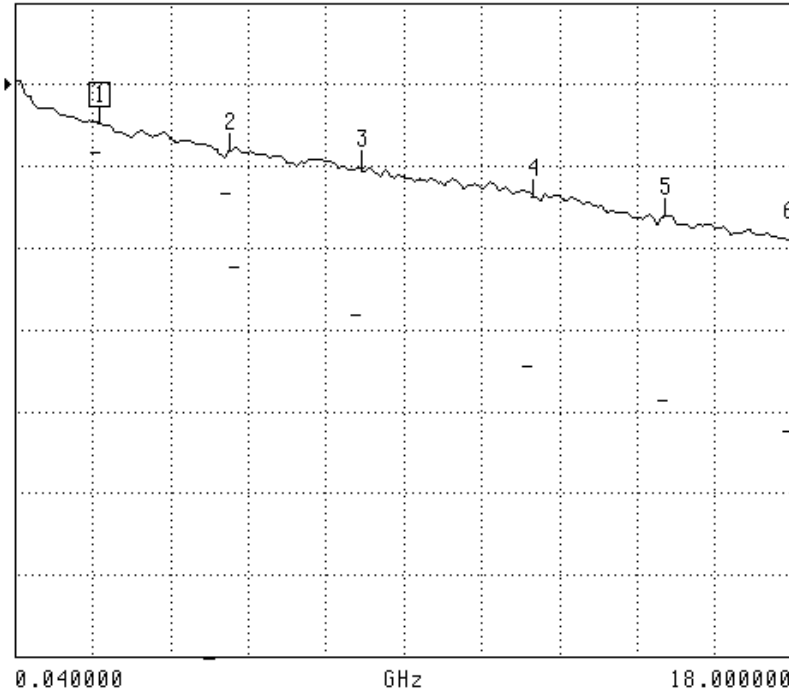
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.047 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.080 dB

 3 8.032200 GHz
 -0.103 dB

 4 12.028300 GHz
 -0.137 dB

 5 15.036600 GHz
 -0.161 dB

 6 18.000000 GHz
 -0.189 dB

 MARKER READOUT
 FUNCTIONS

Couple 96/97

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

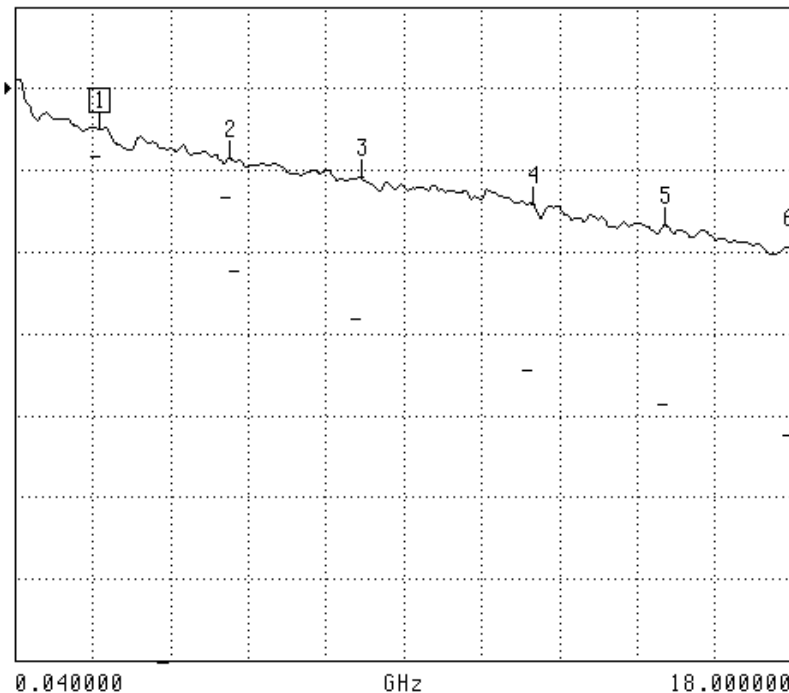
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.049 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.085 dB

 3 8.032200 GHz
 -0.108 dB

 4 12.028300 GHz
 -0.142 dB

 5 15.036600 GHz
 -0.168 dB

 6 18.000000 GHz
 -0.194 dB

 MARKER READOUT
 FUNCTIONS

Couple 98/99

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

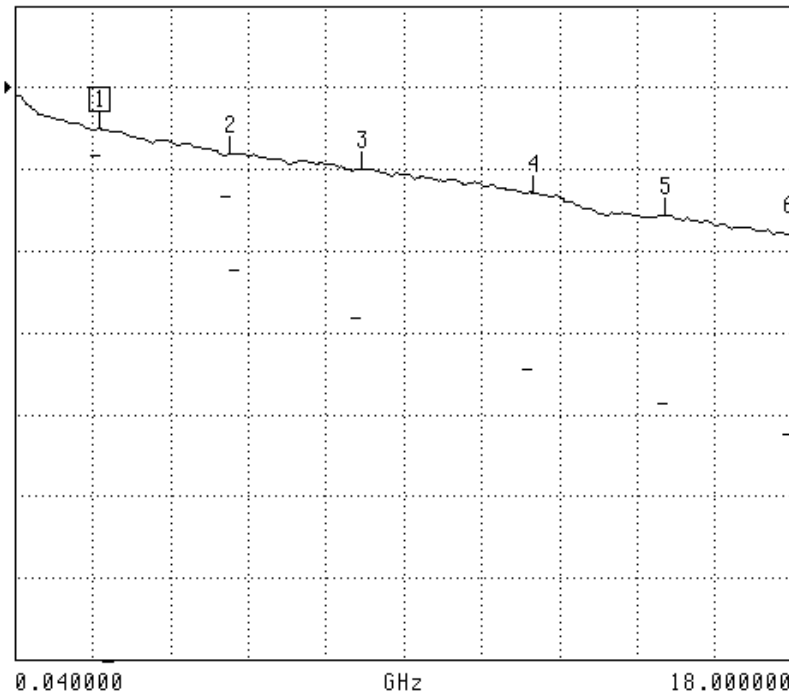
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.051 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.081 dB

 3 8.032200 GHz
 -0.100 dB

 4 12.028300 GHz
 -0.129 dB

 5 15.036600 GHz
 -0.157 dB

 6 18.000000 GHz
 -0.180 dB

 MARKER READOUT
 FUNCTIONS

Couple 100/101

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

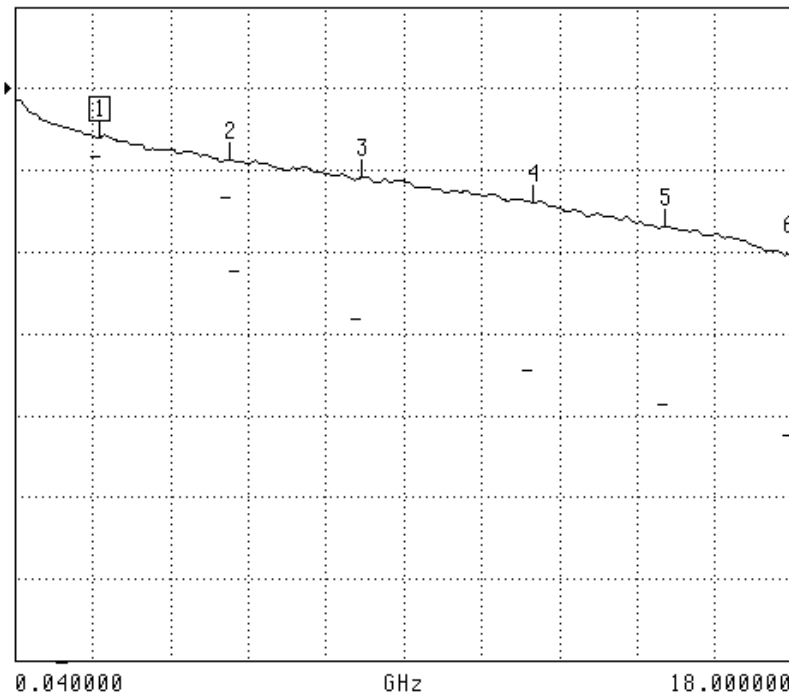
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.059 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.087 dB

 3 8.032200 GHz
 -0.109 dB

 4 12.028300 GHz
 -0.140 dB

 5 15.036600 GHz
 -0.168 dB

 6 18.000000 GHz
 -0.203 dB

 MARKER READOUT
 FUNCTIONS

Couple 102/103

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

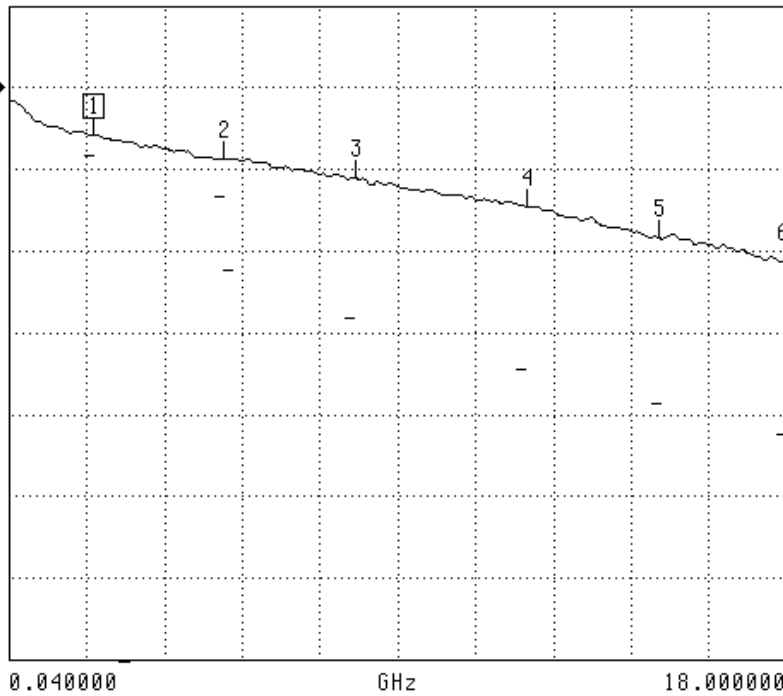
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.058 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.087 dB

 3 8.032200 GHz
 -0.110 dB

 4 12.028300 GHz
 -0.147 dB

 5 15.036600 GHz
 -0.183 dB

 6 18.000000 GHz
 -0.212 dB

 MARKER READOUT
 FUNCTIONS

Couple 104/105

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

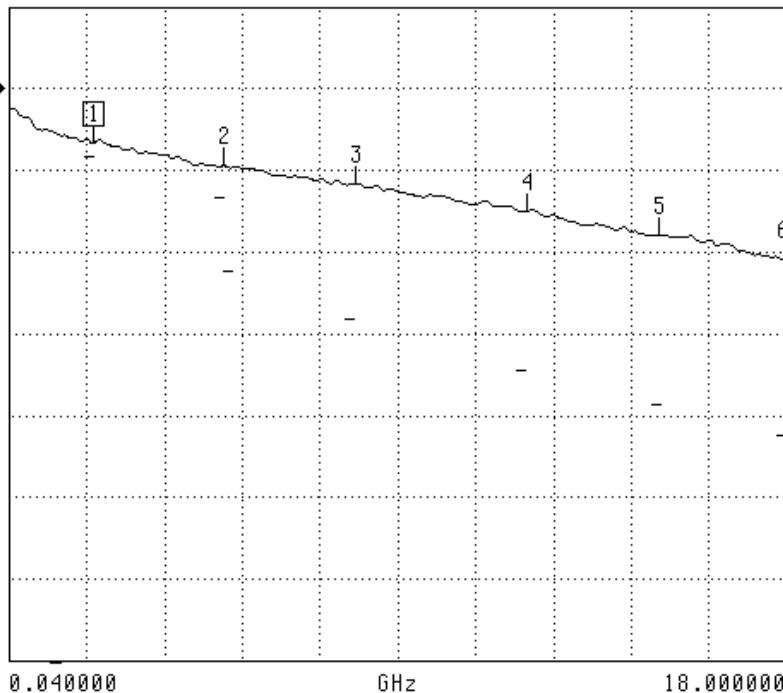
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.067 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.094 dB

 3 8.032200 GHz
 -0.116 dB

 4 12.028300 GHz
 -0.150 dB

 5 15.036600 GHz
 -0.179 dB

 6 18.000000 GHz
 -0.208 dB

 MARKER READOUT
 FUNCTIONS

Couple 106/107

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

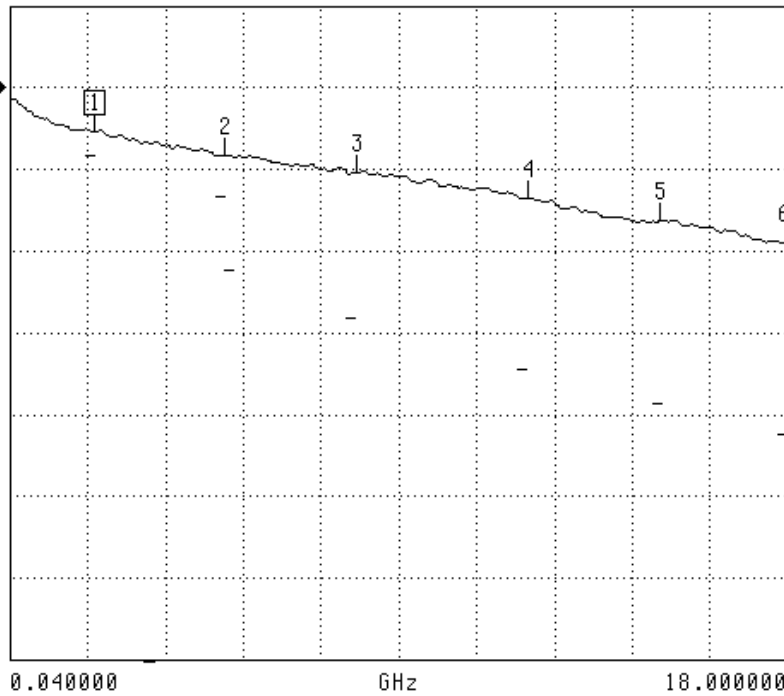
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.054 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.083 dB

 3 8.032200 GHz
 -0.104 dB

 4 12.028300 GHz
 -0.137 dB

 5 15.036600 GHz
 -0.163 dB

 6 18.000000 GHz
 -0.190 dB

 MARKER READOUT
 FUNCTIONS

Couple 108/109

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

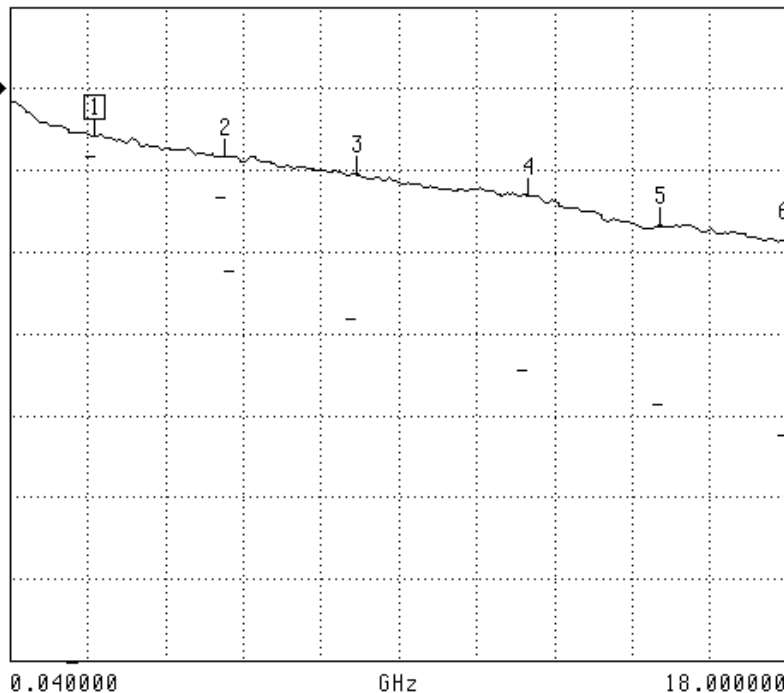
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.058 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.082 dB

 3 8.032200 GHz
 -0.105 dB

 4 12.028300 GHz
 -0.131 dB

 5 15.036600 GHz
 -0.168 dB

 6 18.000000 GHz
 -0.185 dB

 MARKER READOUT
 FUNCTIONS

Couple 110/111

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

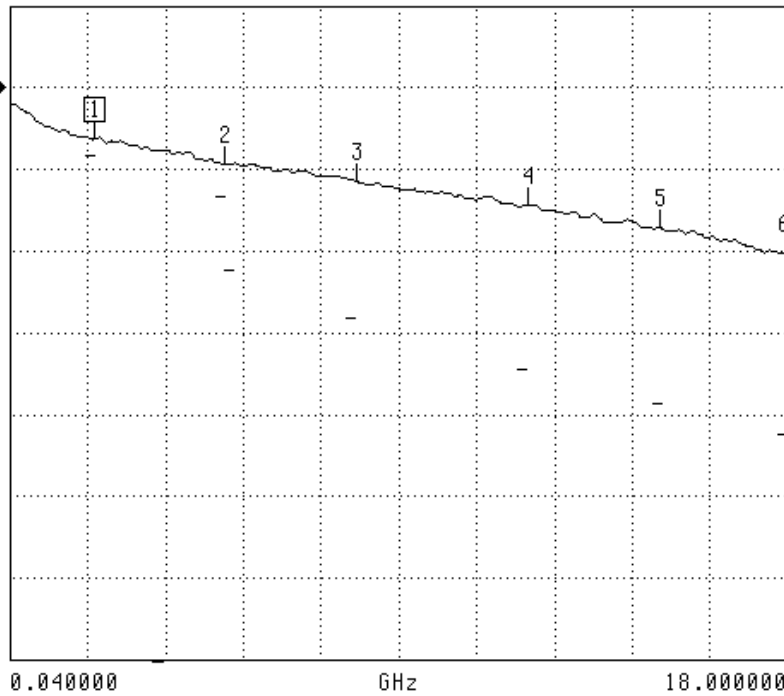
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.063 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.093 dB

 3 8.032200 GHz
 -0.114 dB

 4 12.028300 GHz
 -0.143 dB

 5 15.036600 GHz
 -0.171 dB

 6 18.000000 GHz
 -0.202 dB

 MARKER READOUT
 FUNCTIONS

Couple 112/113

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

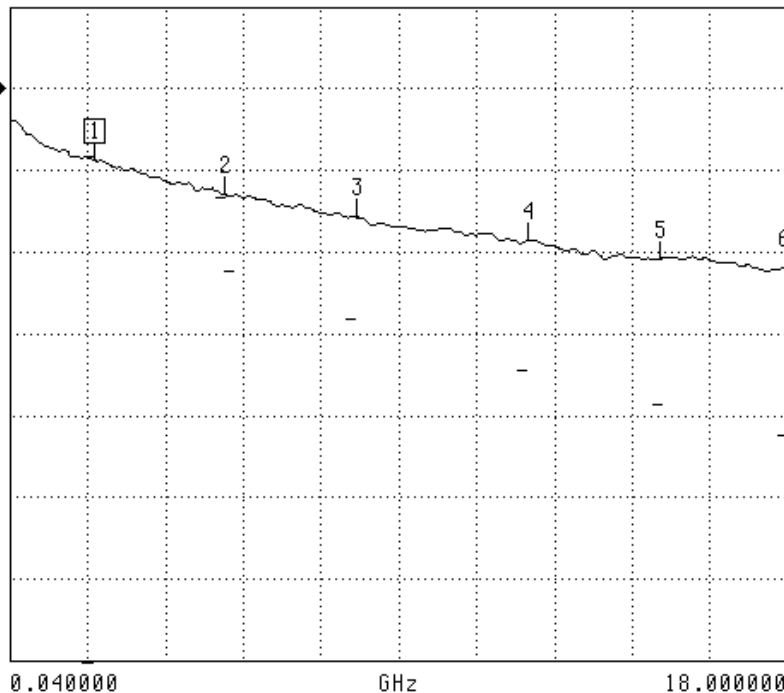
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.087 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.130 dB

 3 8.032200 GHz
 -0.157 dB

 4 12.028300 GHz
 -0.186 dB

 5 15.036600 GHz
 -0.208 dB

 6 18.000000 GHz
 -0.220 dB

 MARKER READOUT
 FUNCTIONS

Couple 114/115

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

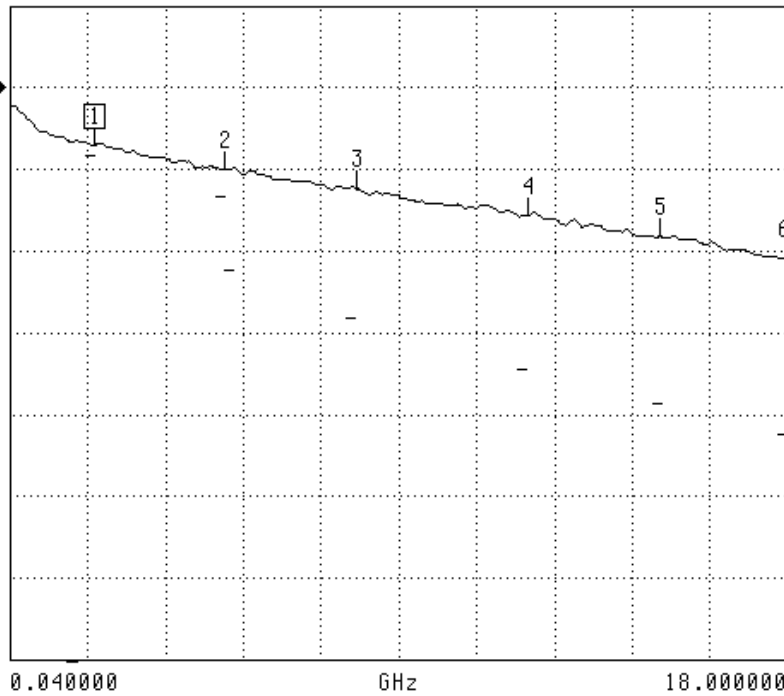
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.070 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.100 dB

 3 8.032200 GHz
 -0.122 dB

 4 12.028300 GHz
 -0.156 dB

 5 15.036600 GHz
 -0.182 dB

 6 18.000000 GHz
 -0.209 dB

 MARKER READOUT
 FUNCTIONS

Couple 116/117

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

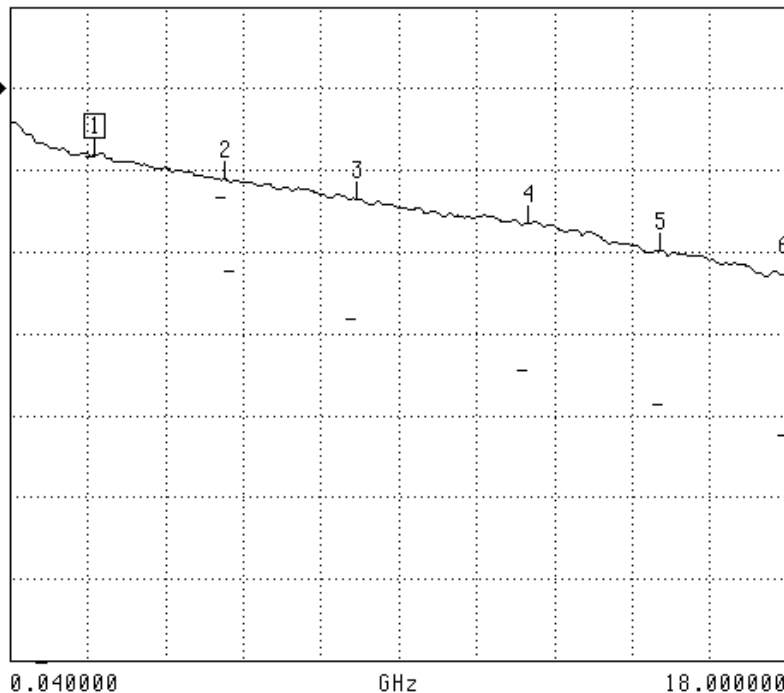
Delay aperture :

R125612140X / Insertion loss back to back / High temperature +100°C

09/02/2006

S21 FORWARD TRANSMISSION

LOG MAGNITUDE ▶REF=0.000 dB 0.100 dB/DIV


 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.082 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.111 dB

 3 8.032200 GHz
 -0.135 dB

 4 12.028300 GHz
 -0.165 dB

 5 15.036600 GHz
 -0.198 dB

 6 18.000000 GHz
 -0.229 dB

 MARKER READOUT
 FUNCTIONS

Couple 118/119

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

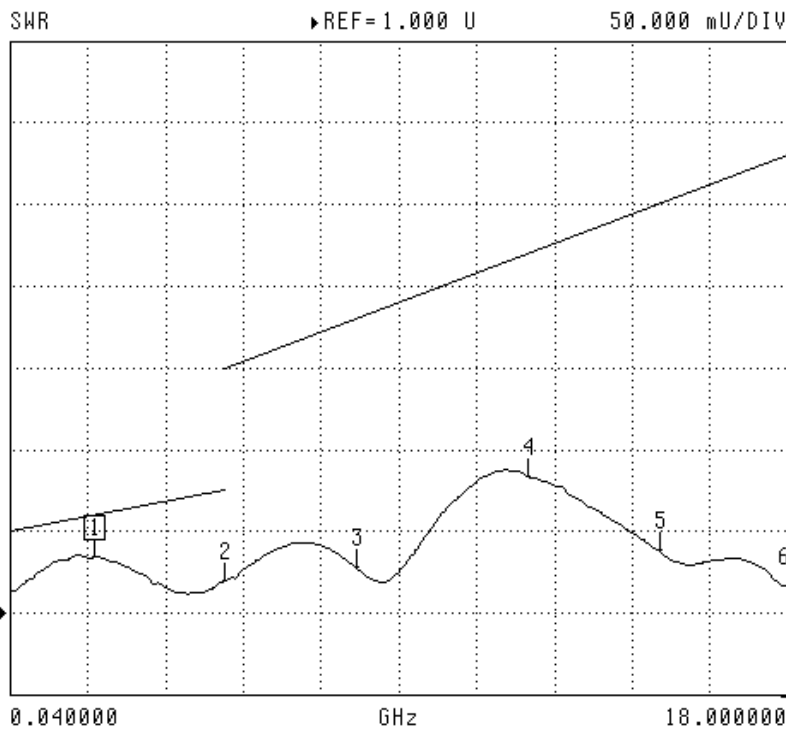
Normalization : OFF

Delay aperture :

V.S.W.R. graphs.

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.034 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.019 U

 3 8.032200 GHz
 1.028 U

 4 12.028300 GHz
 1.083 U

 5 15.036600 GHz
 1.038 U

 6 18.000000 GHz
 1.016 U

 MARKER READOUT
 FUNCTIONS

Sample 1

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900GHZ

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

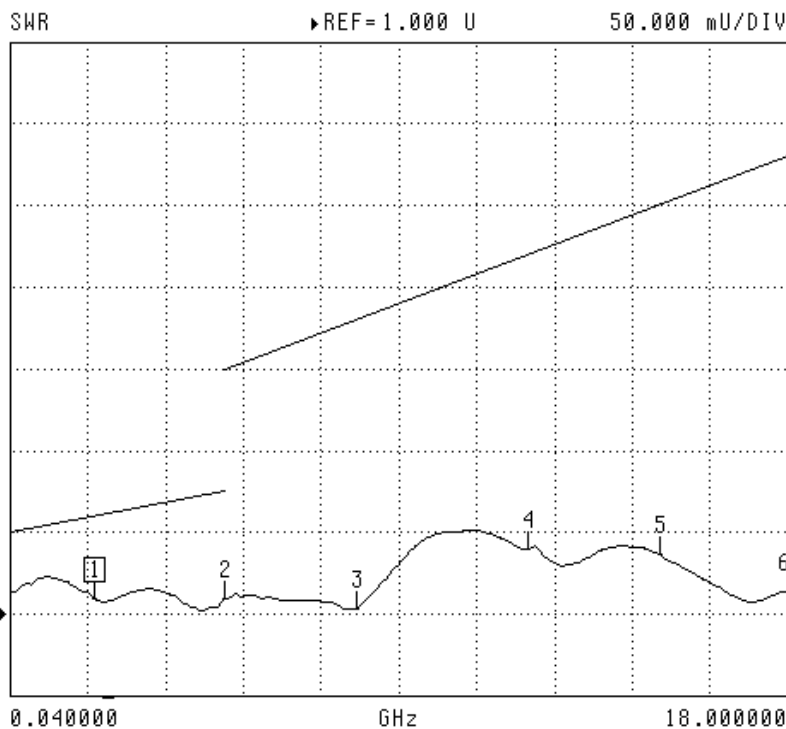
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.009 U

 3 8.032200 GHz
 1.003 U

 4 12.028300 GHz
 1.040 U

 5 15.036600 GHz
 1.037 U

 6 18.000000 GHz
 1.013 U

 MARKER READOUT
 FUNCTIONS

Sample 2

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900GHZ

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

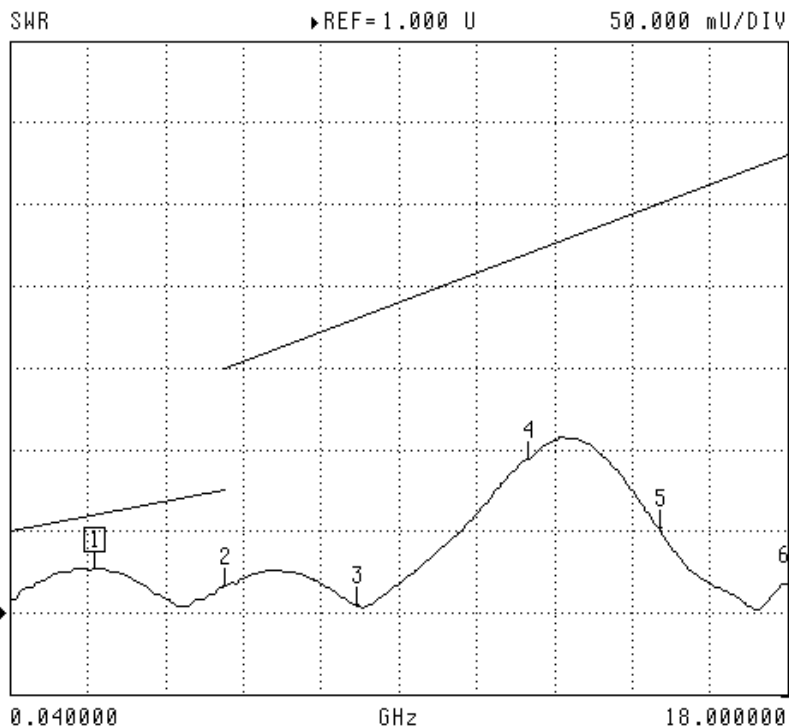
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.027 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.016 U

 3 8.032200 GHz
 1.005 U

 4 12.028300 GHz
 1.094 U

 5 15.036600 GHz
 1.052 U

 6 18.000000 GHz
 1.017 U

 MARKER READOUT
 FUNCTIONS

Sample 3

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

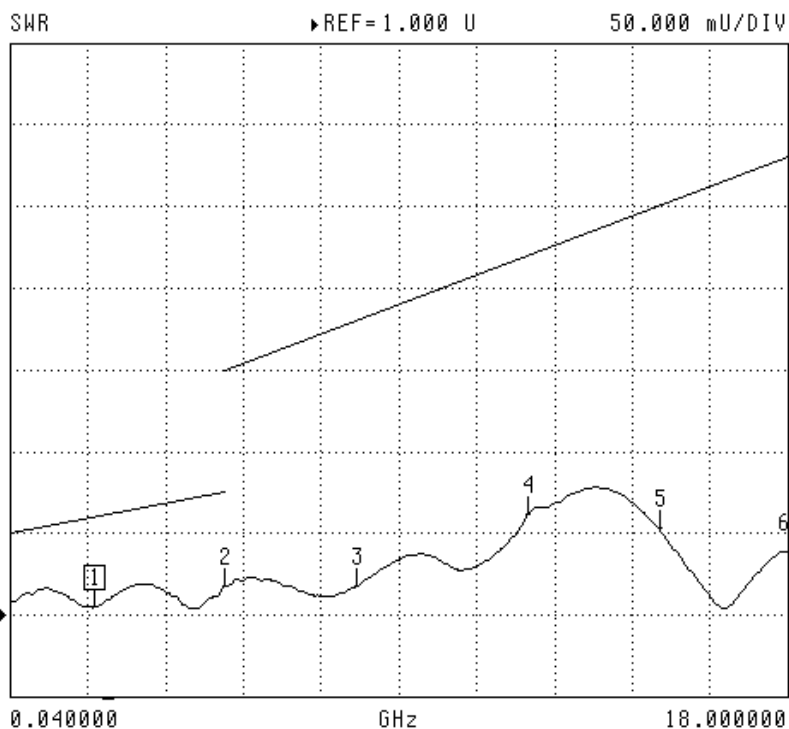
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.005 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.017 U

 4 12.028300 GHz
 1.061 U

 5 15.036600 GHz
 1.053 U

 6 18.000000 GHz
 1.039 U

 MARKER READOUT
 FUNCTIONS

Sample 4

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

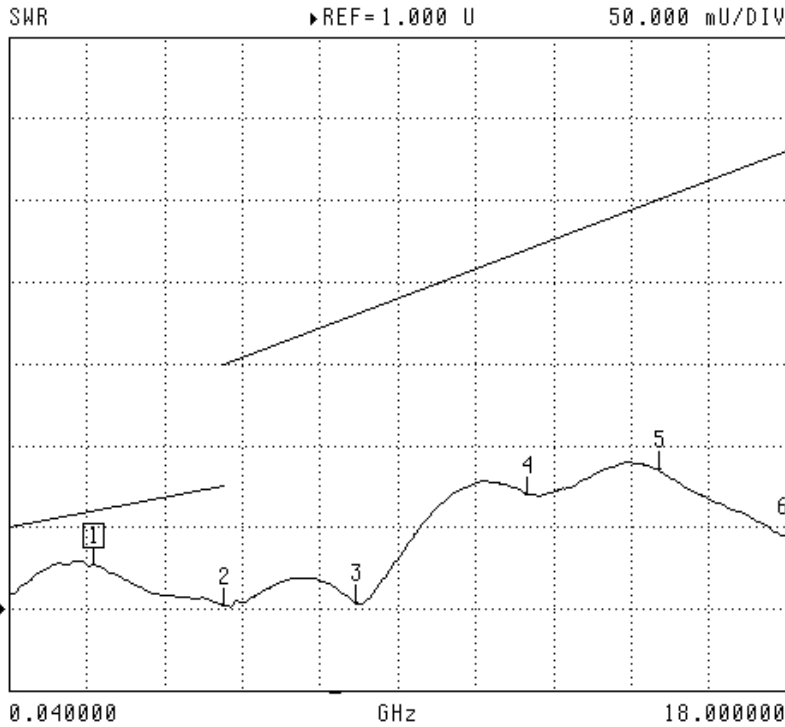
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.027 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.002 U

 3 8.032200 GHz
 1.004 U

 4 12.028300 GHz
 1.070 U

 5 15.036600 GHz
 1.086 U

 6 18.000000 GHz
 1.045 U

 MARKER READOUT
 FUNCTIONS

Sample 5

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

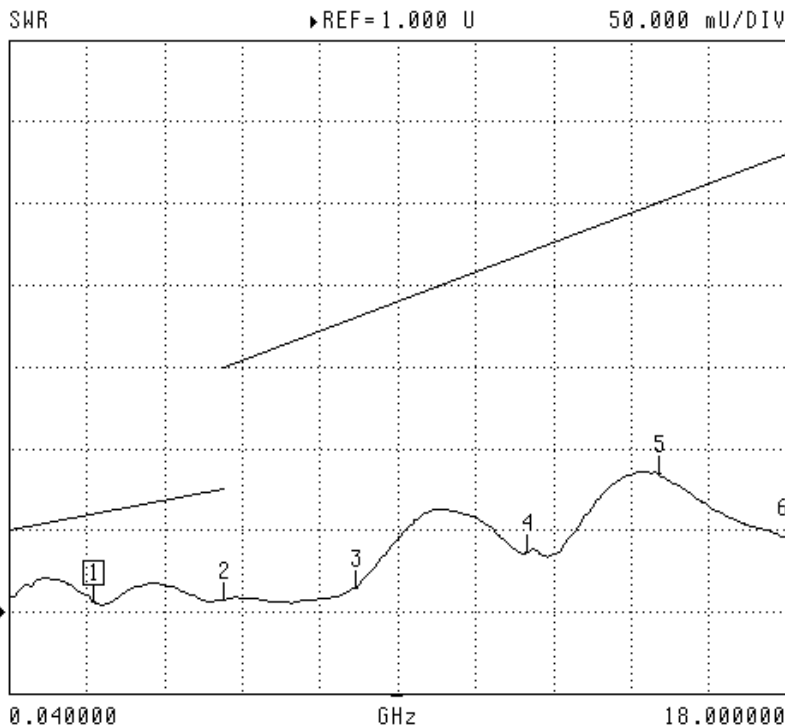
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.006 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.007 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.036 U

 5 15.036600 GHz
 1.085 U

 6 18.000000 GHz
 1.046 U

 MARKER READOUT
 FUNCTIONS

Sample 6

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

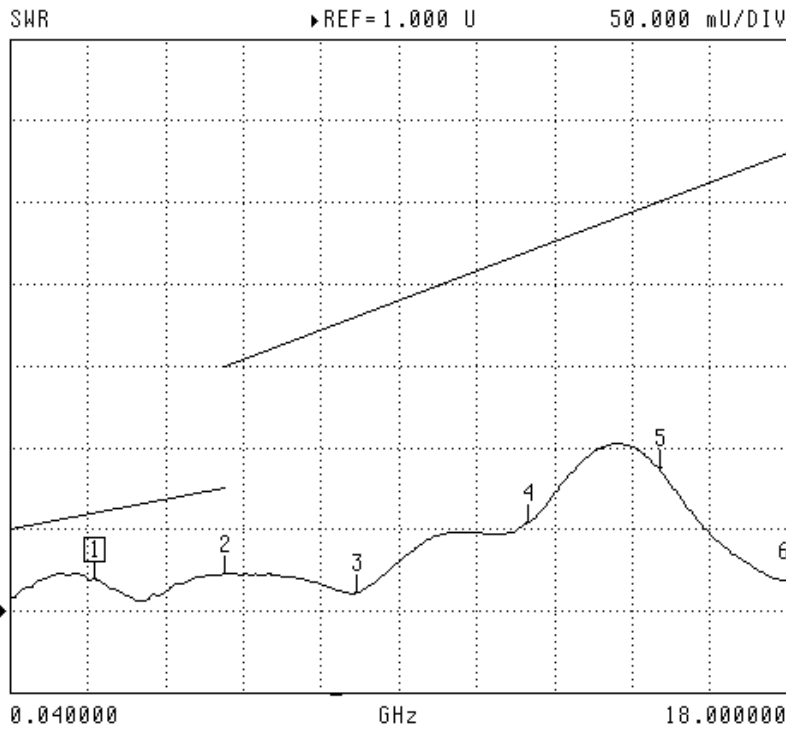
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.019 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.011 U

 4 12.028300 GHz
 1.054 U

 5 15.036600 GHz
 1.087 U

 6 18.000000 GHz
 1.019 U

 MARKER READOUT
 FUNCTIONS

Sample 7

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

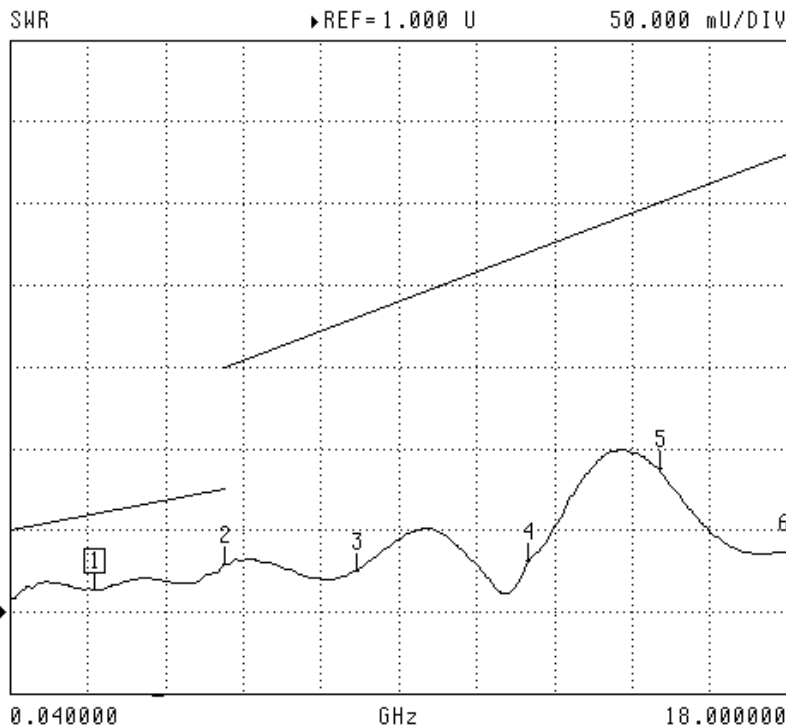
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.013 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.029 U

 3 8.032200 GHz
 1.025 U

 4 12.028300 GHz
 1.031 U

 5 15.036600 GHz
 1.087 U

 6 18.000000 GHz
 1.036 U

 MARKER READOUT
 FUNCTIONS

Sample 8

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

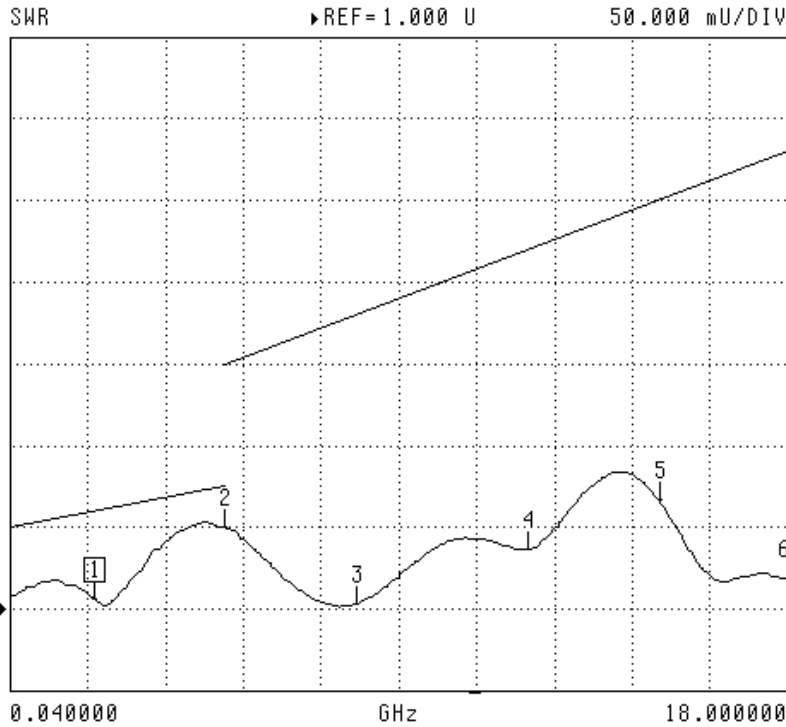
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.006 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.050 U

 3 8.032200 GHz
 1.003 U

 4 12.028300 GHz
 1.037 U

 5 15.036600 GHz
 1.066 U

 6 18.000000 GHz
 1.018 U

 MARKER READOUT
 FUNCTIONS

Sample 9

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

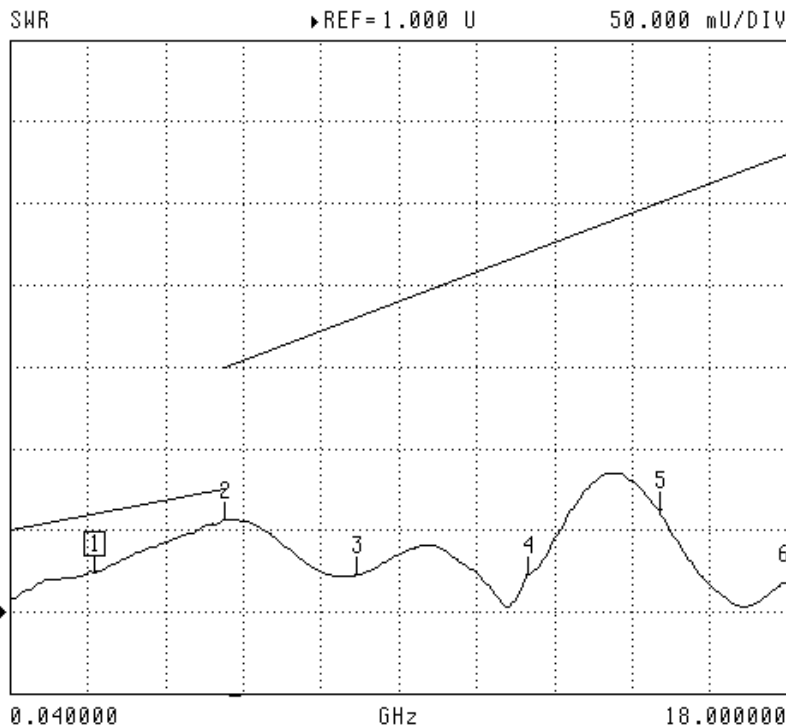
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.024 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.057 U

 3 8.032200 GHz
 1.022 U

 4 12.028300 GHz
 1.023 U

 5 15.036600 GHz
 1.062 U

 6 18.000000 GHz
 1.017 U

 MARKER READOUT
 FUNCTIONS

Sample 10

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

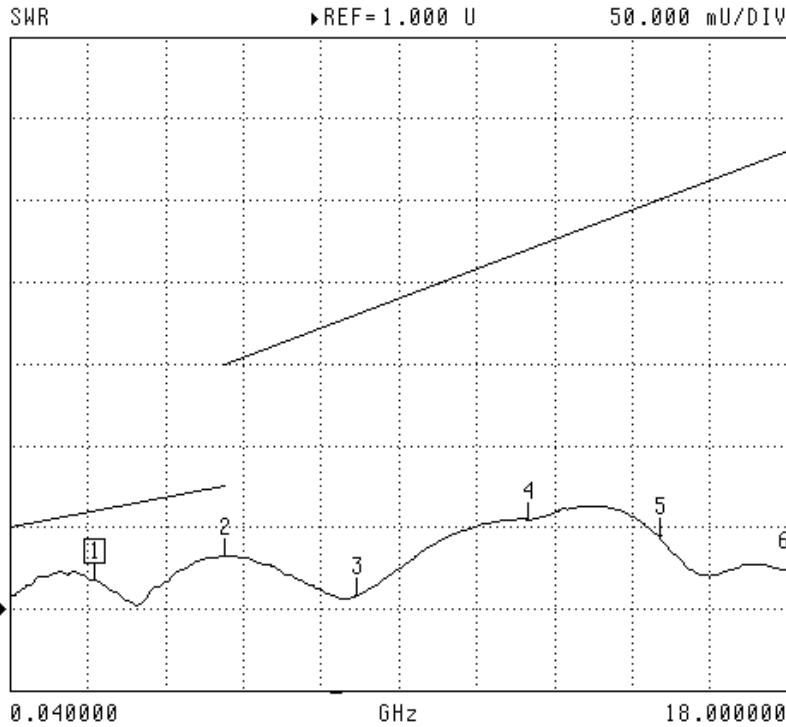
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.018 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.033 U

 3 8.032200 GHz
 1.008 U

 4 12.028300 GHz
 1.055 U

 5 15.036600 GHz
 1.044 U

 6 18.000000 GHz
 1.023 U

 MARKER READOUT
 FUNCTIONS

Sample 11

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

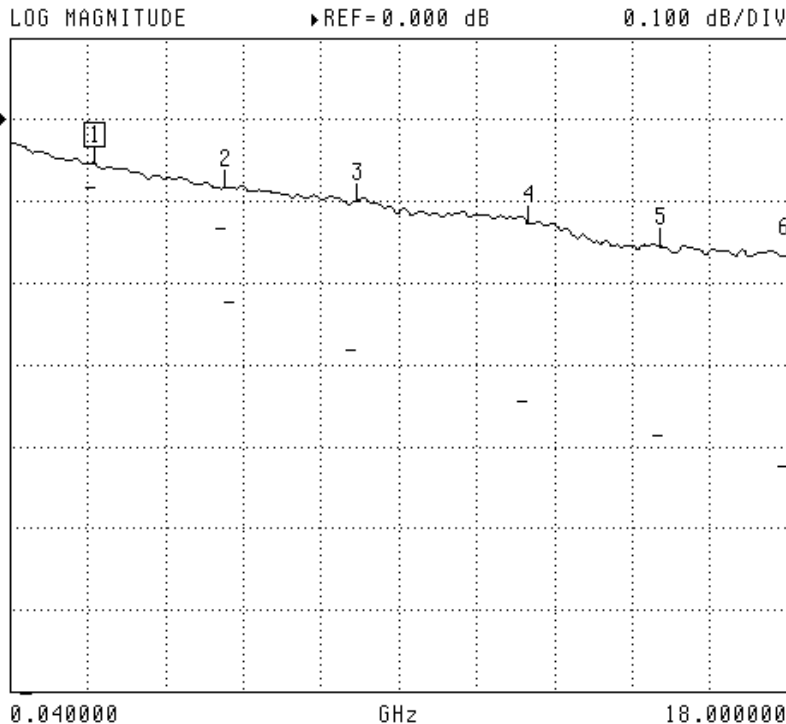
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S21 FORWARD TRANSMISSION

 CH 2 - S21
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 -0.054 dB

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 -0.083 dB

 3 8.032200 GHz
 -0.100 dB

 4 12.028300 GHz
 -0.127 dB

 5 15.036600 GHz
 -0.155 dB

 6 18.000000 GHz
 -0.166 dB

 MARKER READOUT
 FUNCTIONS

Sample 12

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

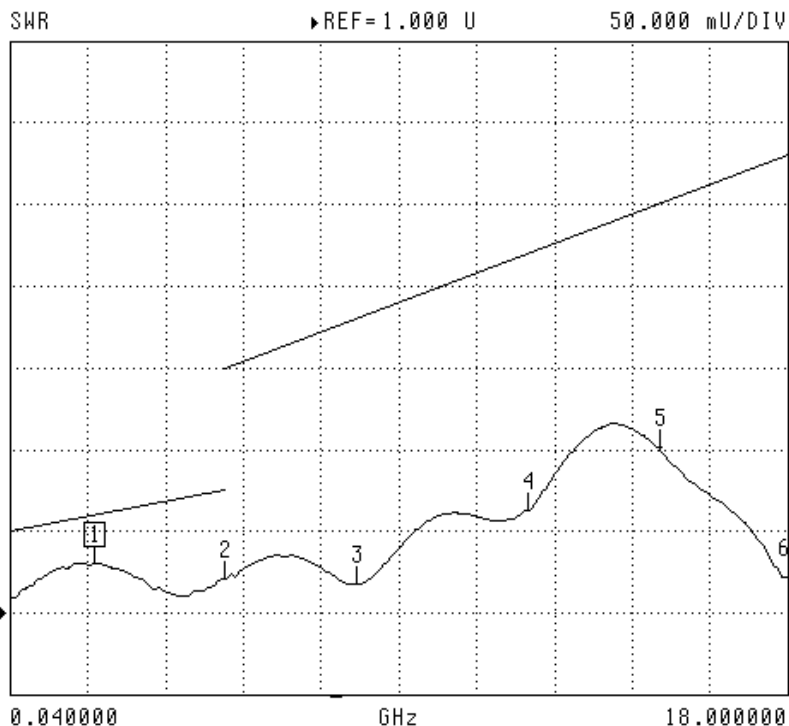
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.030 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.017 U

 4 12.028300 GHz
 1.063 U

 5 15.036600 GHz
 1.101 U

 6 18.000000 GHz
 1.021 U

 MARKER READOUT
 FUNCTIONS

Sample 13

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

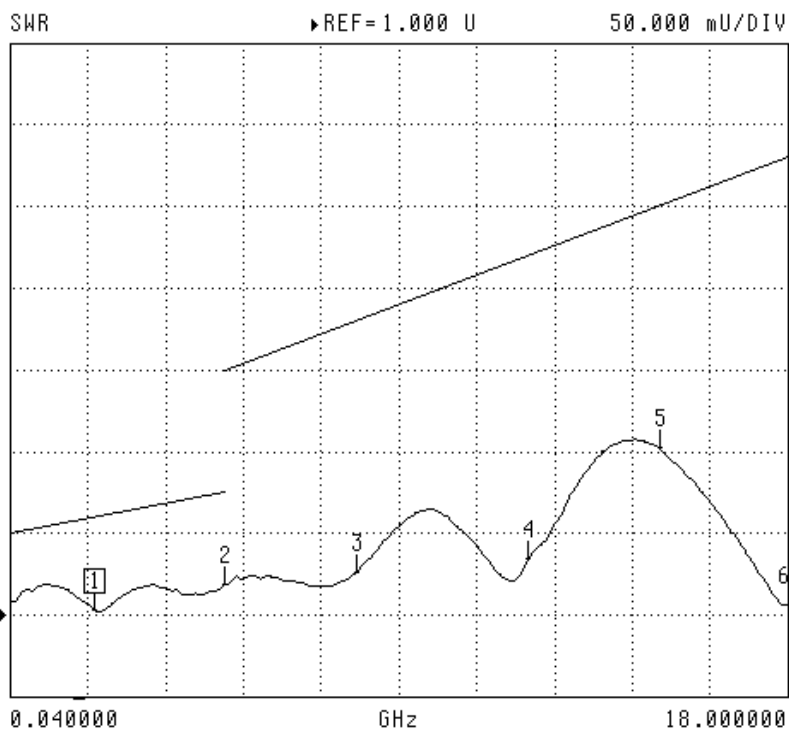
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.003 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.019 U

 3 8.032200 GHz
 1.026 U

 4 12.028300 GHz
 1.034 U

 5 15.036600 GHz
 1.103 U

 6 18.000000 GHz
 1.006 U

 MARKER READOUT
 FUNCTIONS

Sample 14

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

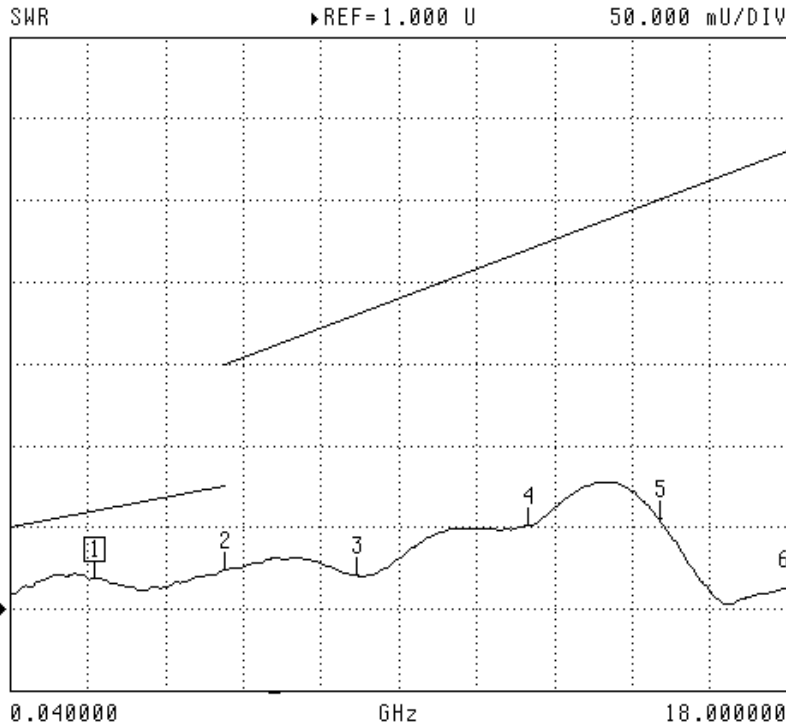
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.019 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.024 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.051 U

 5 15.036600 GHz
 1.055 U

 6 18.000000 GHz
 1.012 U

 MARKER READOUT
 FUNCTIONS

Sample 15

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

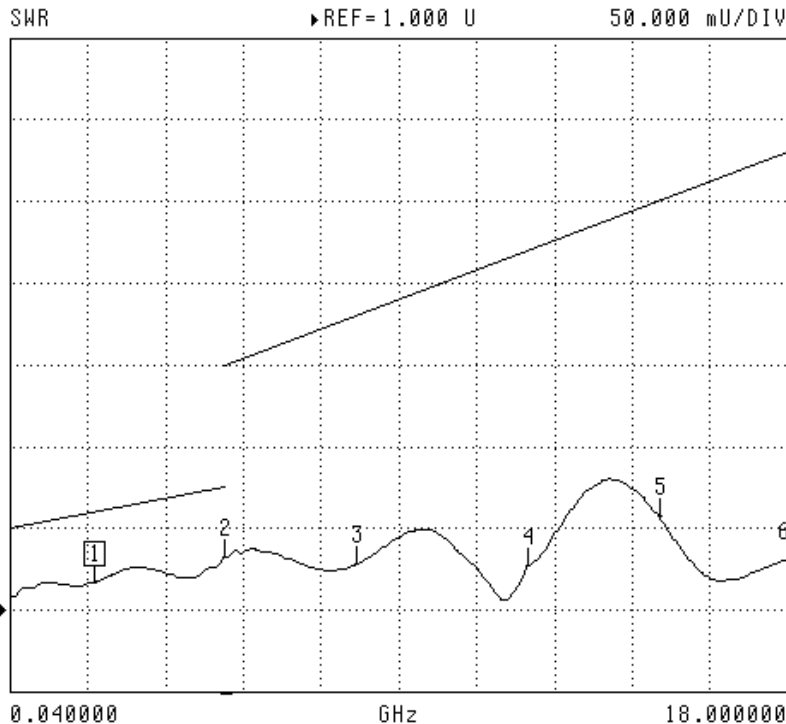
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.017 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.032 U

 3 8.032200 GHz
 1.028 U

 4 12.028300 GHz
 1.027 U

 5 15.036600 GHz
 1.058 U

 6 18.000000 GHz
 1.030 U

 MARKER READOUT
 FUNCTIONS

Sample 16

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

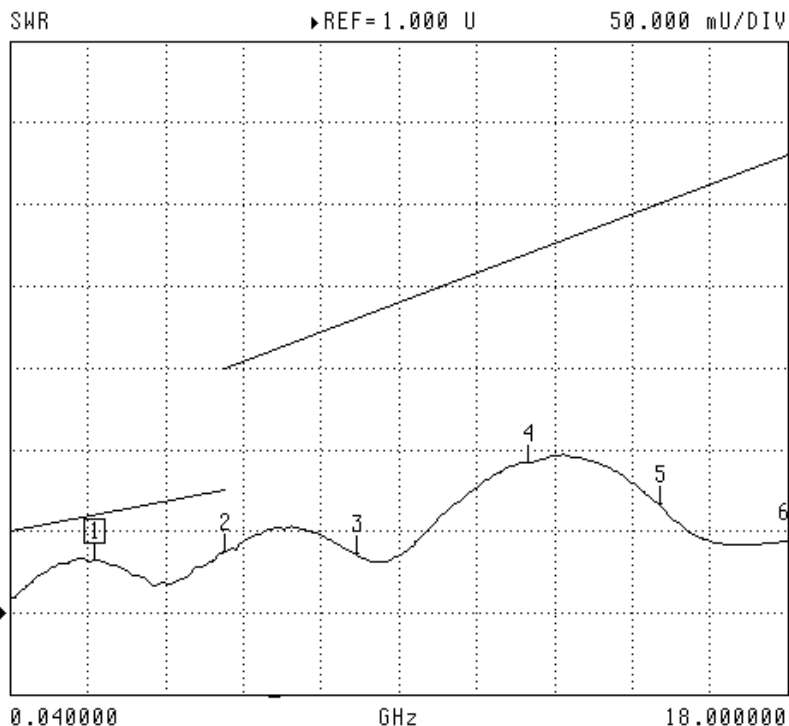
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.032 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.037 U

 3 8.032200 GHz
 1.036 U

 4 12.028300 GHz
 1.092 U

 5 15.036600 GHz
 1.067 U

 6 18.000000 GHz
 1.044 U

 MARKER READOUT
 FUNCTIONS

Sample 17

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

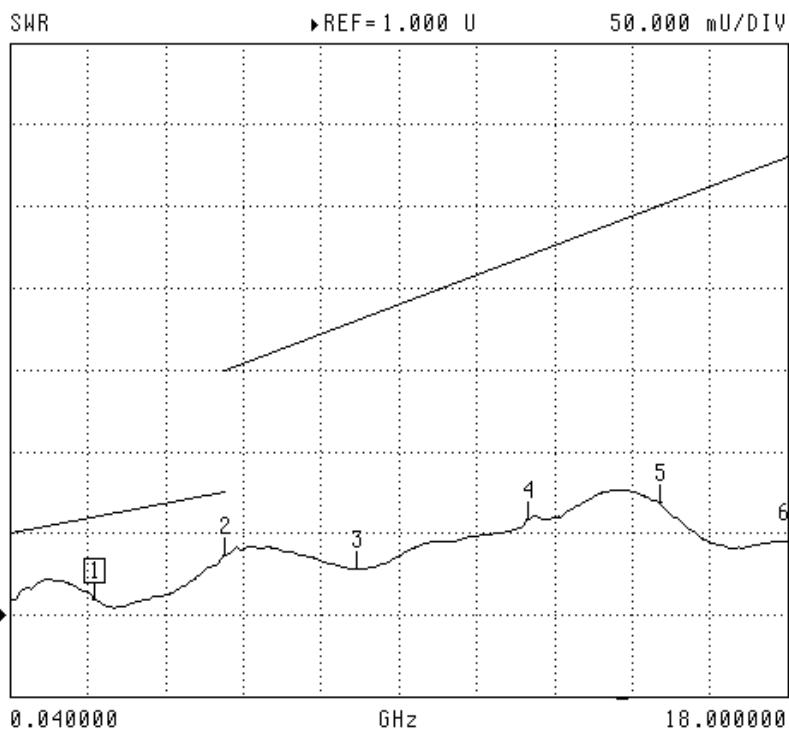
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.010 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.037 U

 3 8.032200 GHz
 1.028 U

 4 12.028300 GHz
 1.058 U

 5 15.036600 GHz
 1.069 U

 6 18.000000 GHz
 1.044 U

 MARKER READOUT
 FUNCTIONS

Sample 18

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

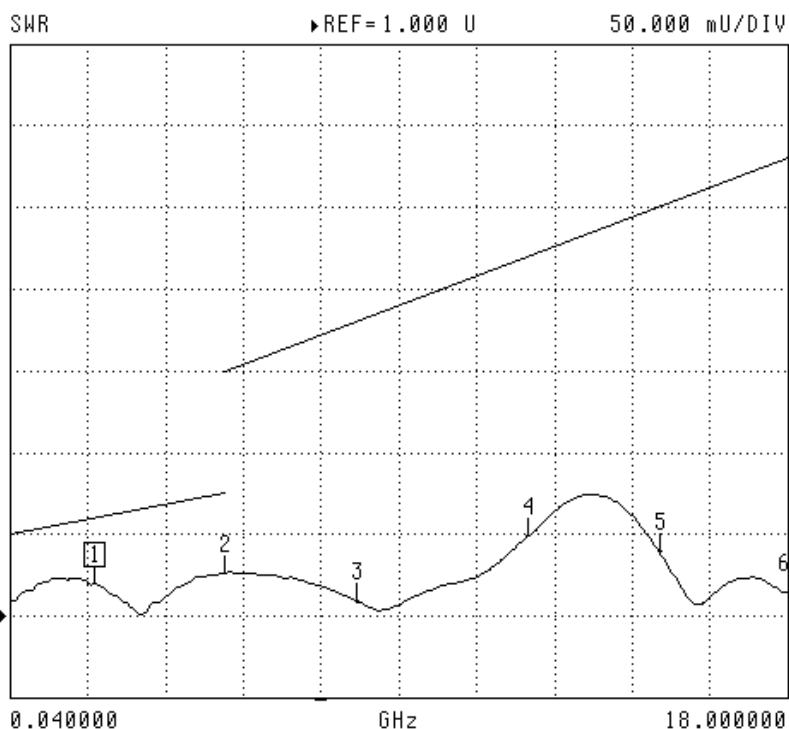
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.009 U

 4 12.028300 GHz
 1.049 U

 5 15.036600 GHz
 1.040 U

 6 18.000000 GHz
 1.015 U

 MARKER READOUT
 FUNCTIONS

Sample 19

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

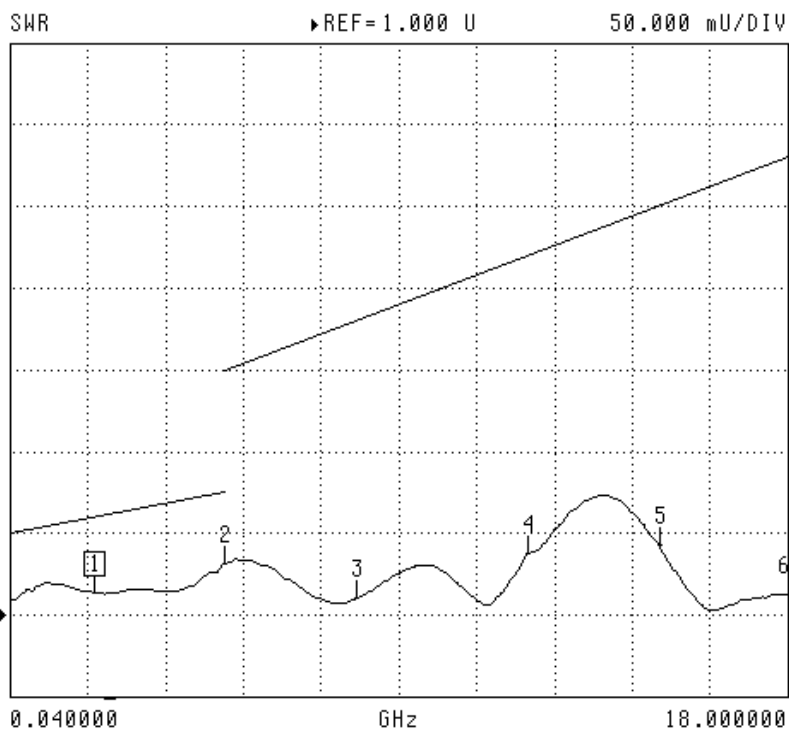
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.013 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.031 U

 3 8.032200 GHz
 1.010 U

 4 12.028300 GHz
 1.038 U

 5 15.036600 GHz
 1.043 U

 6 18.000000 GHz
 1.013 U

 MARKER READOUT
 FUNCTIONS

Sample 20

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

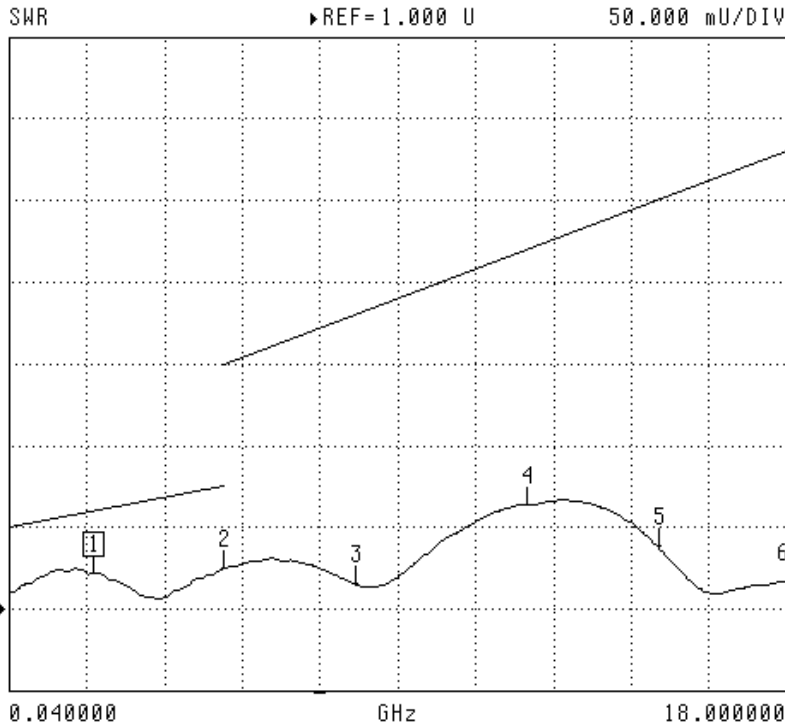
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.022 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.025 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.064 U

 5 15.036600 GHz
 1.038 U

 6 18.000000 GHz
 1.017 U

 MARKER READOUT
 FUNCTIONS

Sample 21

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

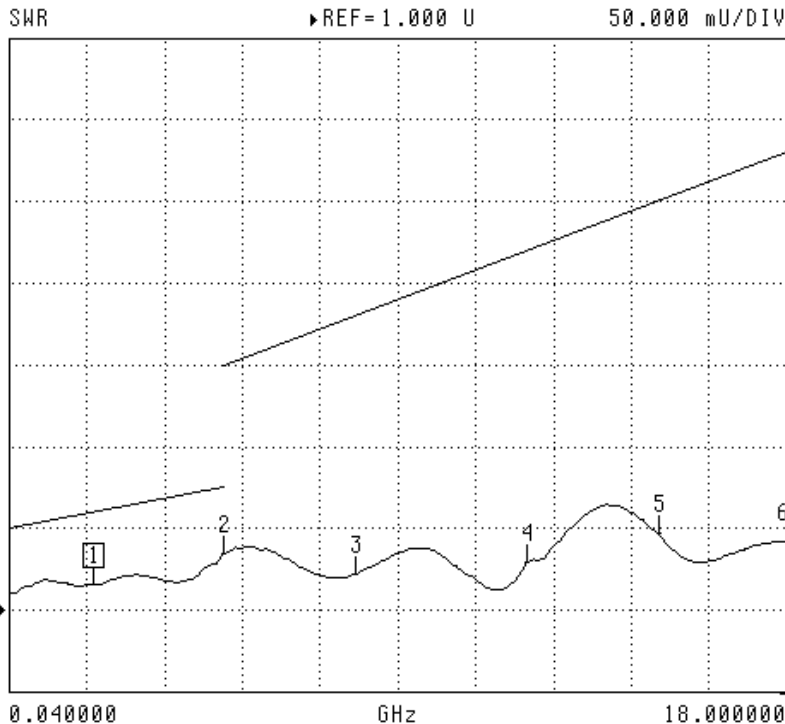
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.015 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.034 U

 3 8.032200 GHz
 1.022 U

 4 12.028300 GHz
 1.029 U

 5 15.036600 GHz
 1.047 U

 6 18.000000 GHz
 1.042 U

 MARKER READOUT
 FUNCTIONS

Sample 22

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

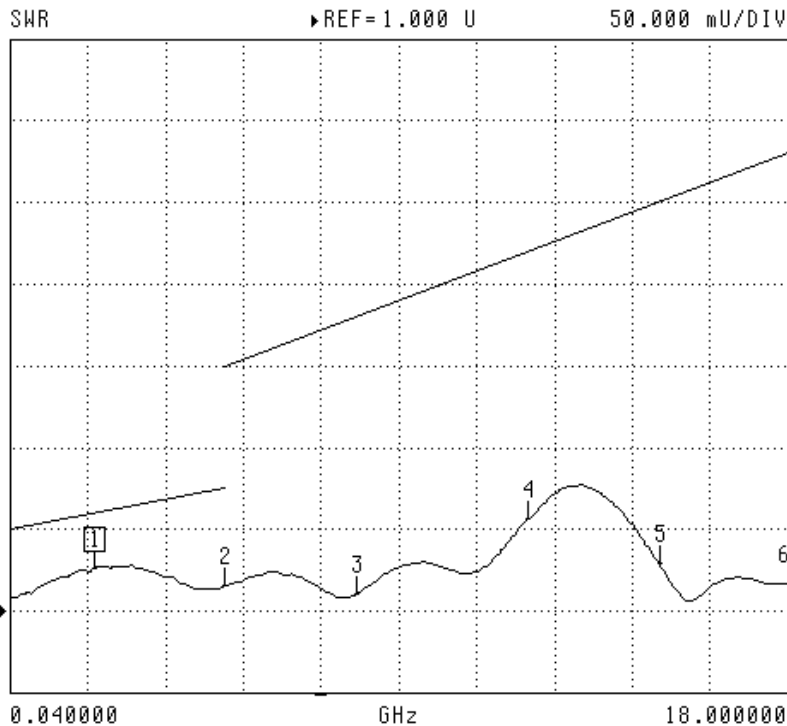
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.026 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.015 U

 3 8.032200 GHz
 1.010 U

 4 12.028300 GHz
 1.056 U

 5 15.036600 GHz
 1.029 U

 6 18.000000 GHz
 1.017 U

 MARKER READOUT
 FUNCTIONS

Sample 23

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

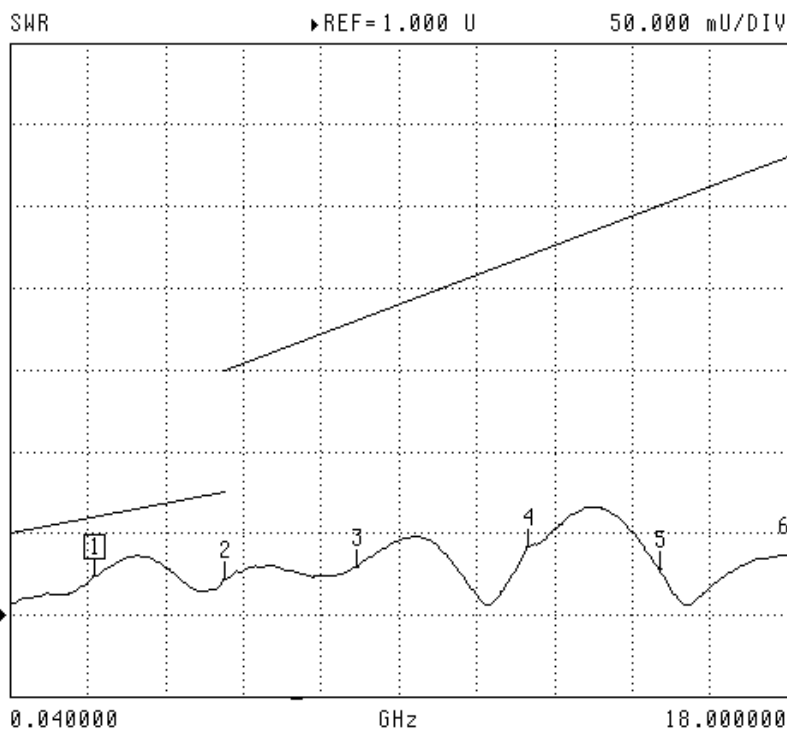
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.023 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.022 U

 3 8.032200 GHz
 1.029 U

 4 12.028300 GHz
 1.041 U

 5 15.036600 GHz
 1.028 U

 6 18.000000 GHz
 1.036 U

 MARKER READOUT
 FUNCTIONS

Sample 24

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

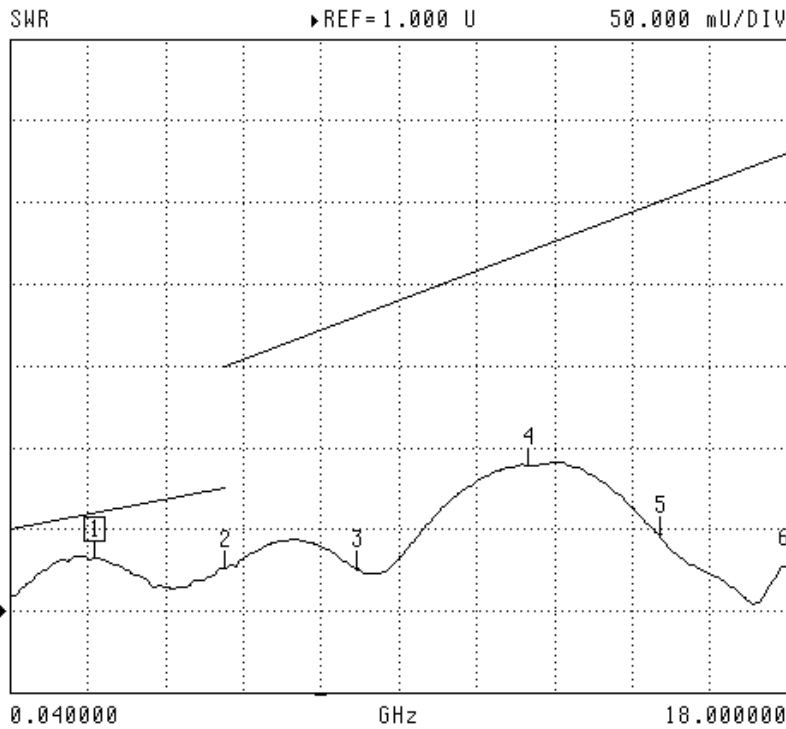
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.033 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.026 U

 4 12.028300 GHz
 1.088 U

 5 15.036600 GHz
 1.046 U

 6 18.000000 GHz
 1.026 U

 MARKER READOUT
 FUNCTIONS

Sample 25

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

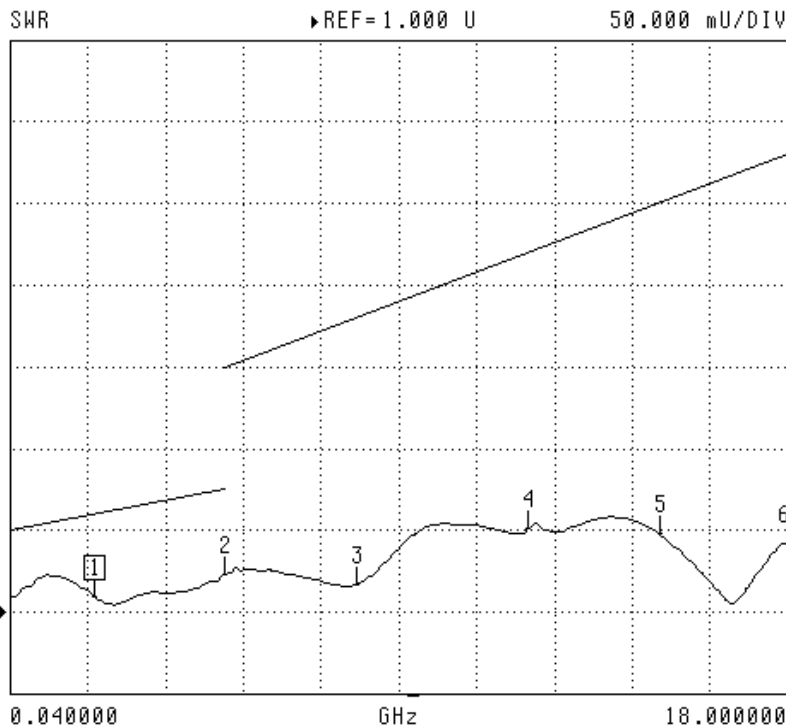
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.017 U

 4 12.028300 GHz
 1.051 U

 5 15.036600 GHz
 1.048 U

 6 18.000000 GHz
 1.042 U

 MARKER READOUT
 FUNCTIONS

Sample 26

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

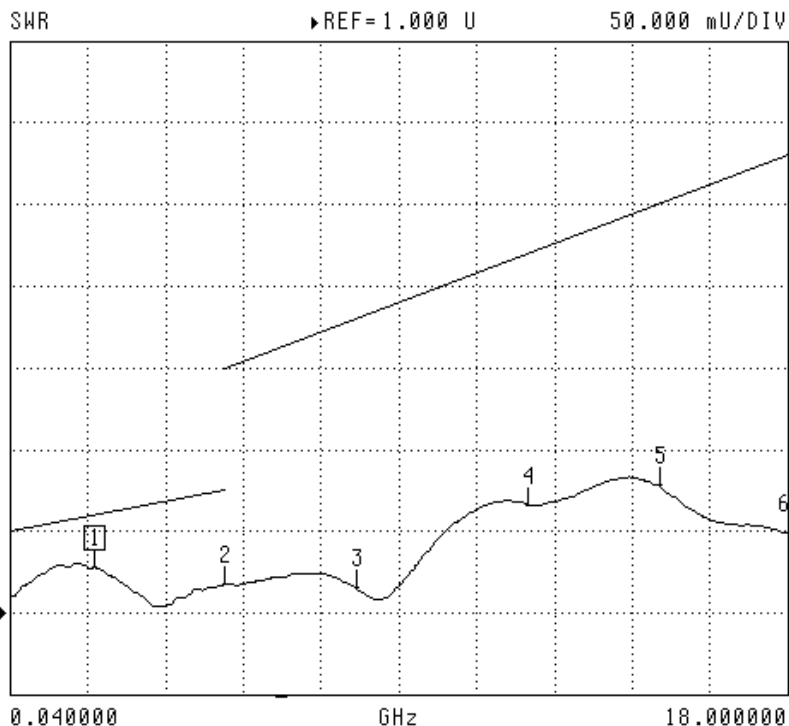
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.028 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.066 U

 5 15.036600 GHz
 1.078 U

 6 18.000000 GHz
 1.049 U

 MARKER READOUT
 FUNCTIONS

Sample 27

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

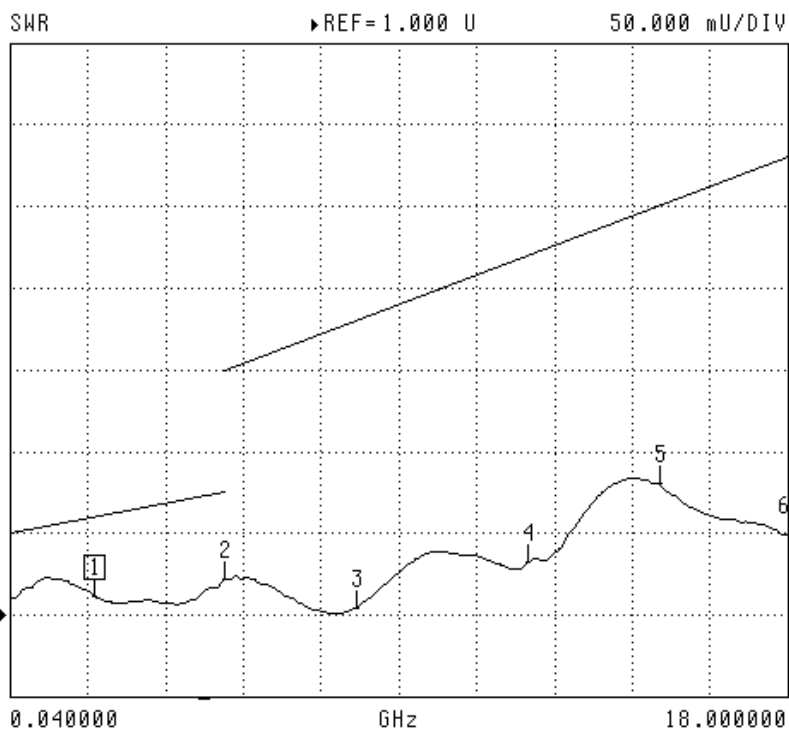
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.004 U

 4 12.028300 GHz
 1.032 U

 5 15.036600 GHz
 1.080 U

 6 18.000000 GHz
 1.049 U

 MARKER READOUT
 FUNCTIONS

Sample 28

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

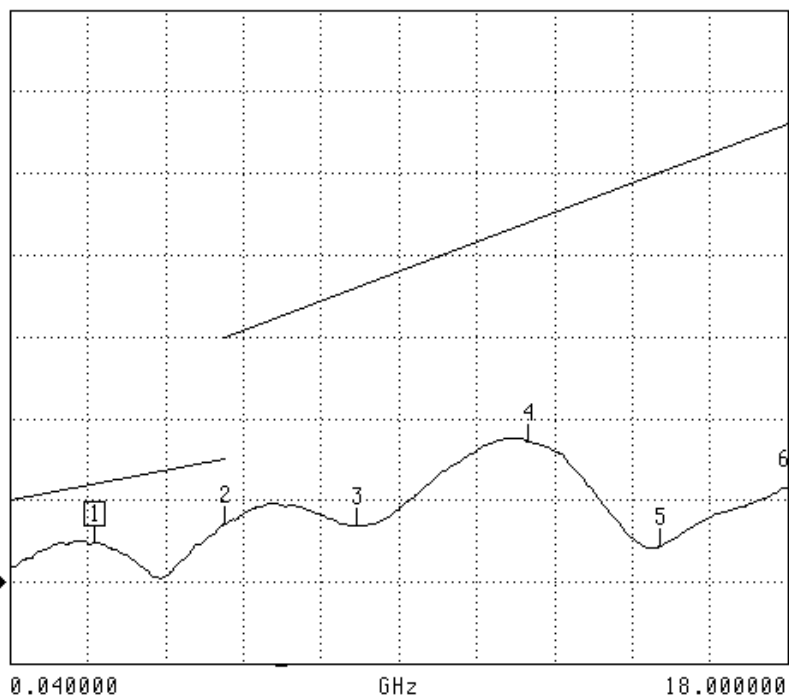
Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

SWR ▶REF=1.000 U 50.000 mU/DIV


 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.024 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.035 U

 3 8.032200 GHz
 1.034 U

 4 12.028300 GHz
 1.086 U

 5 15.036600 GHz
 1.021 U

 6 18.000000 GHz
 1.057 U

 MARKER READOUT
 FUNCTIONS

Sample 29

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

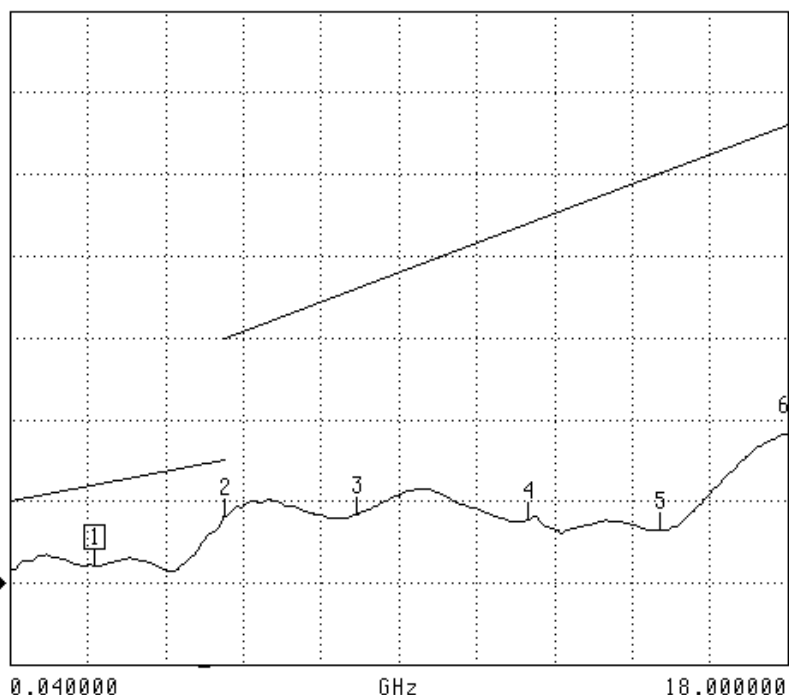
Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

SWR ▶REF=1.000 U 50.000 mU/DIV


 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.010 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.040 U

 3 8.032200 GHz
 1.042 U

 4 12.028300 GHz
 1.039 U

 5 15.036600 GHz
 1.033 U

 6 18.000000 GHz
 1.090 U

 MARKER READOUT
 FUNCTIONS

Sample 30

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

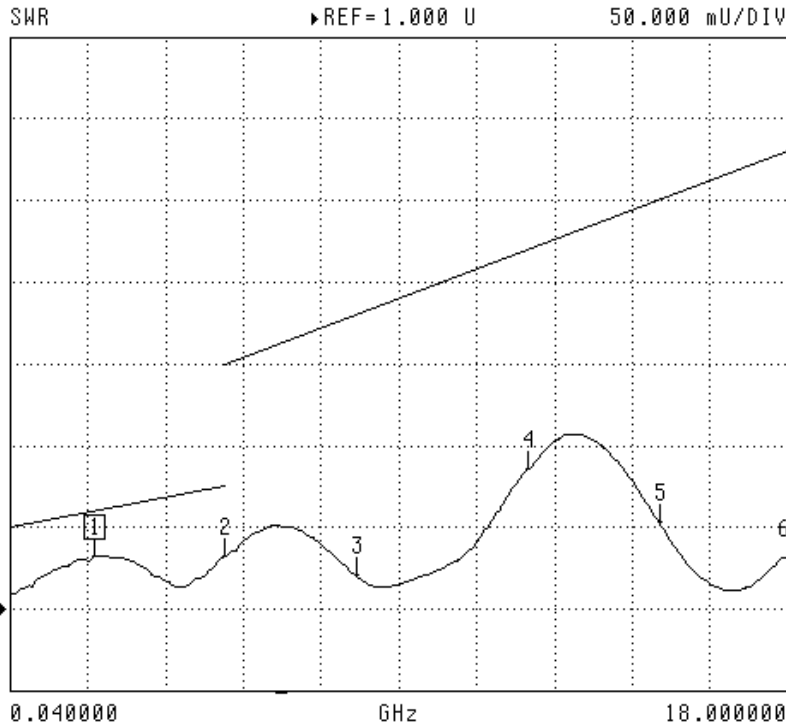
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.032 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.032 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.086 U

 5 15.036600 GHz
 1.054 U

 6 18.000000 GHz
 1.031 U

 MARKER READOUT
 FUNCTIONS

Sample 31

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

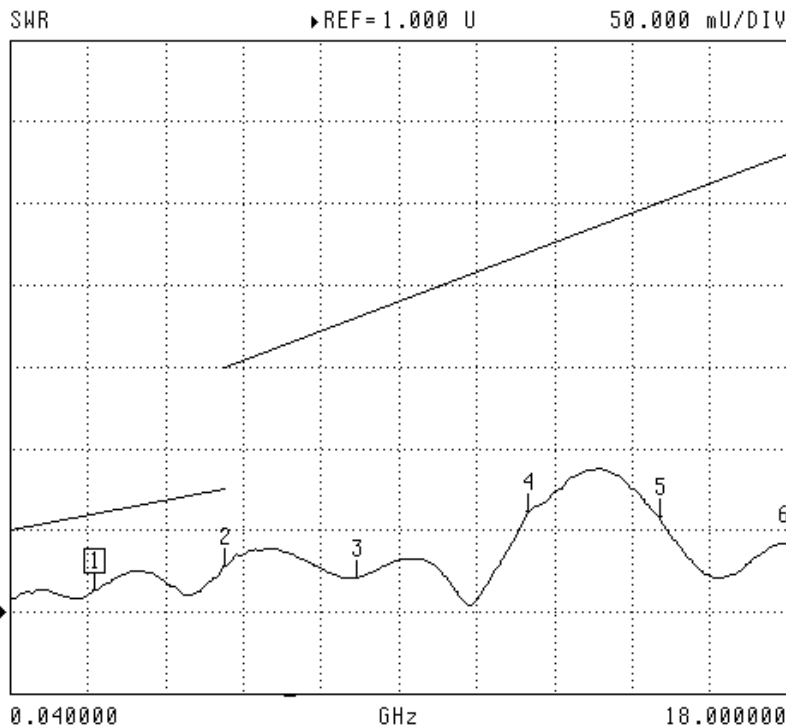
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.013 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.028 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.061 U

 5 15.036600 GHz
 1.058 U

 6 18.000000 GHz
 1.042 U

 MARKER READOUT
 FUNCTIONS

Sample 32

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

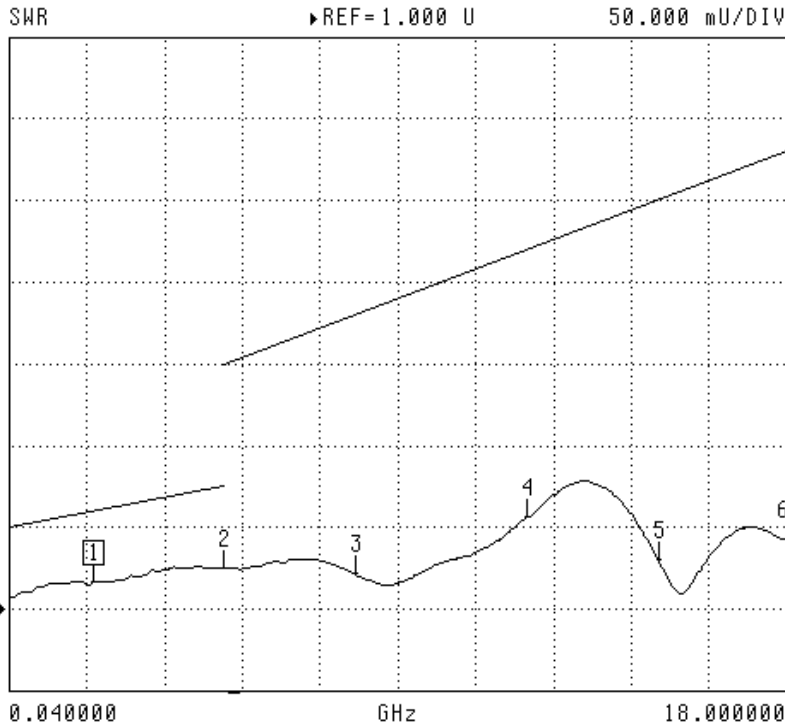
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.016 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.025 U

 3 8.032200 GHz
 1.022 U

 4 12.028300 GHz
 1.056 U

 5 15.036600 GHz
 1.031 U

 6 18.000000 GHz
 1.043 U

 MARKER READOUT
 FUNCTIONS

Sample 33

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

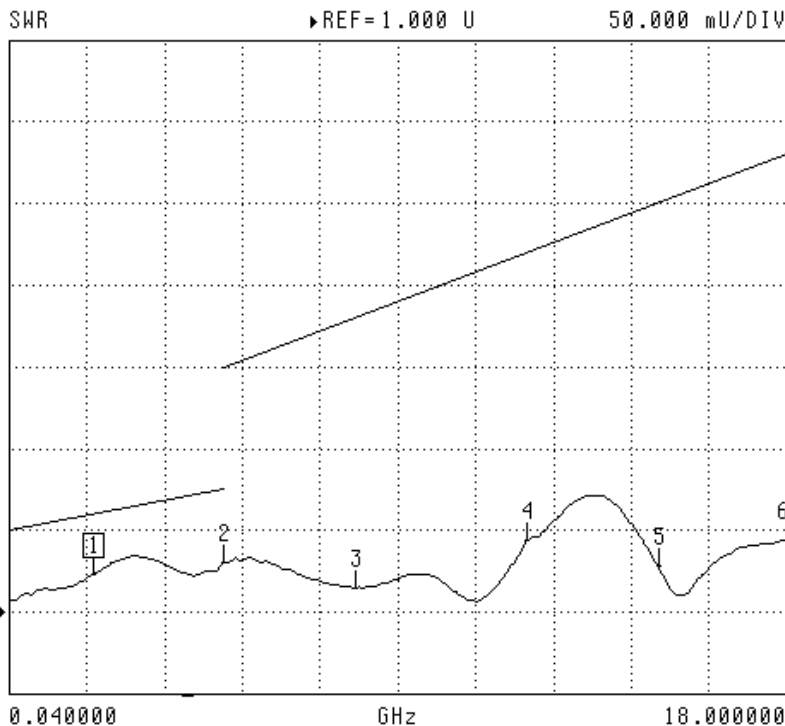
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.023 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.030 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.044 U

 5 15.036600 GHz
 1.028 U

 6 18.000000 GHz
 1.043 U

 MARKER READOUT
 FUNCTIONS

Sample 34

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

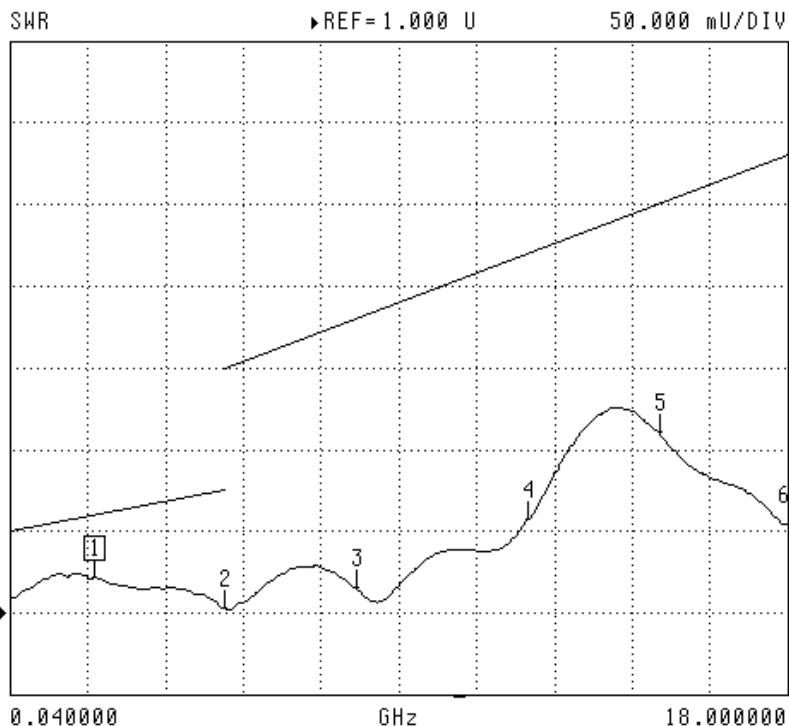
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.003 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.057 U

 5 15.036600 GHz
 1.111 U

 6 18.000000 GHz
 1.054 U

 MARKER READOUT
 FUNCTIONS

Sample 35

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

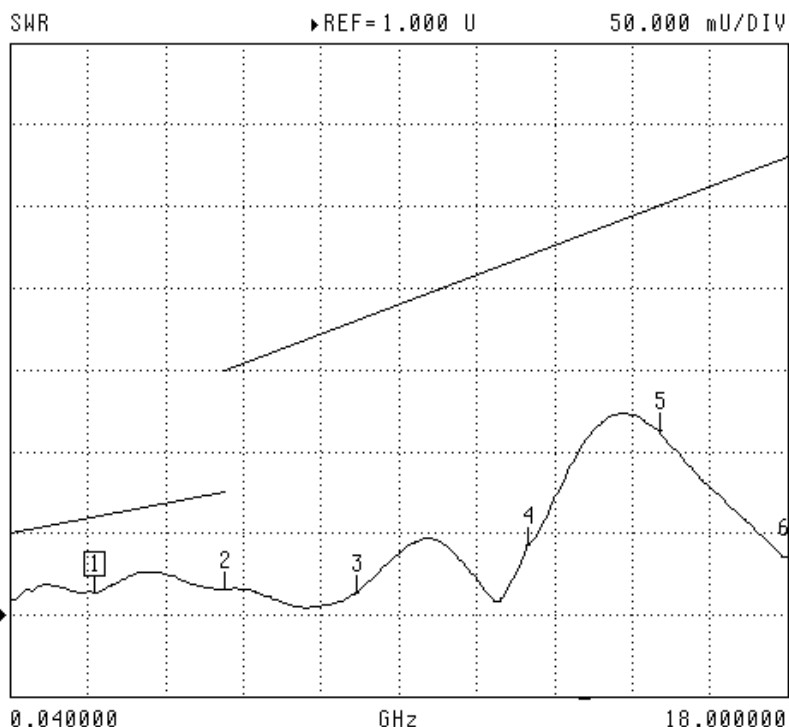
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.014 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.016 U

 3 8.032200 GHz
 1.014 U

 4 12.028300 GHz
 1.043 U

 5 15.036600 GHz
 1.113 U

 6 18.000000 GHz
 1.036 U

 MARKER READOUT
 FUNCTIONS

Sample 95

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

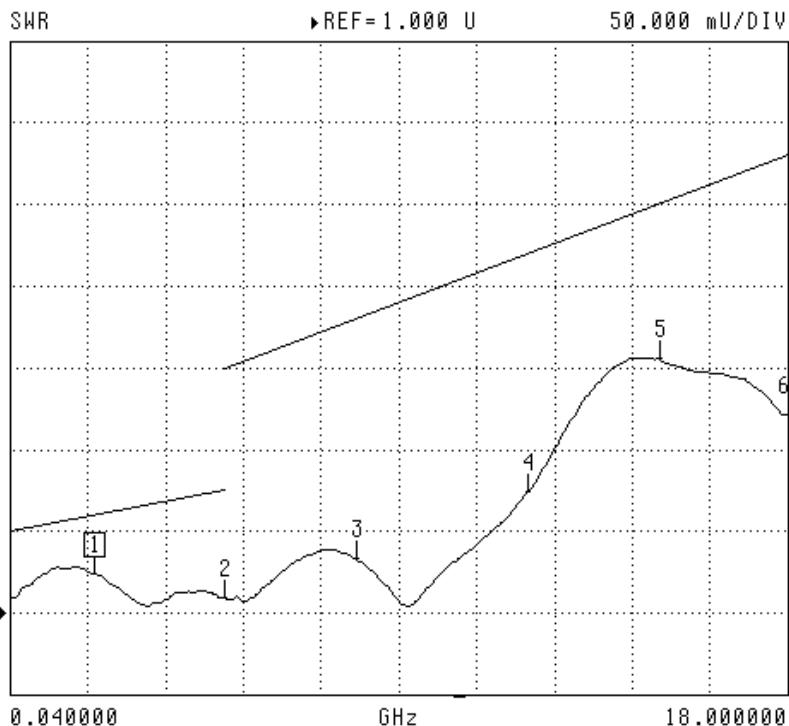
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.024 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.009 U

 3 8.032200 GHz
 1.033 U

 4 12.028300 GHz
 1.074 U

 5 15.036600 GHz
 1.155 U

 6 18.000000 GHz
 1.121 U

 MARKER READOUT
 FUNCTIONS

Sample 96

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

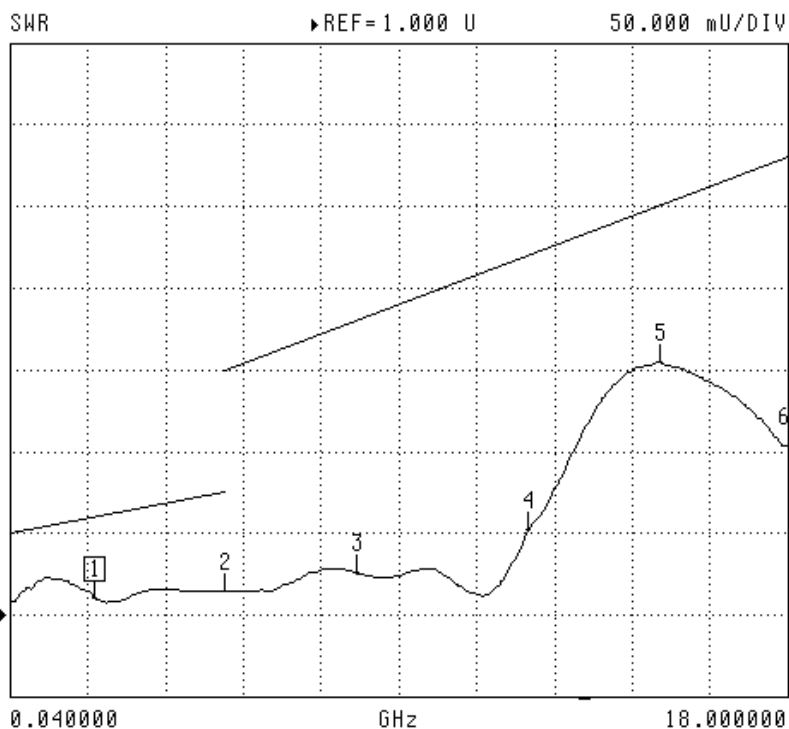
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.010 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.015 U

 3 8.032200 GHz
 1.026 U

 4 12.028300 GHz
 1.052 U

 5 15.036600 GHz
 1.155 U

 6 18.000000 GHz
 1.104 U

 MARKER READOUT
 FUNCTIONS

Sample 97

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

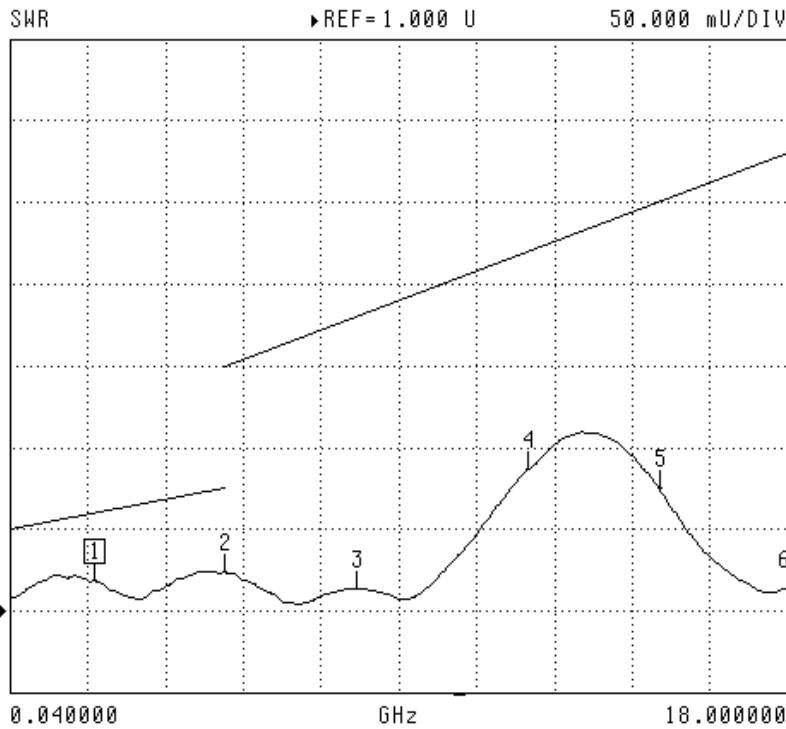
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.018 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.013 U

 4 12.028300 GHz
 1.086 U

 5 15.036600 GHz
 1.075 U

 6 18.000000 GHz
 1.013 U

 MARKER READOUT
 FUNCTIONS

Sample 98

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

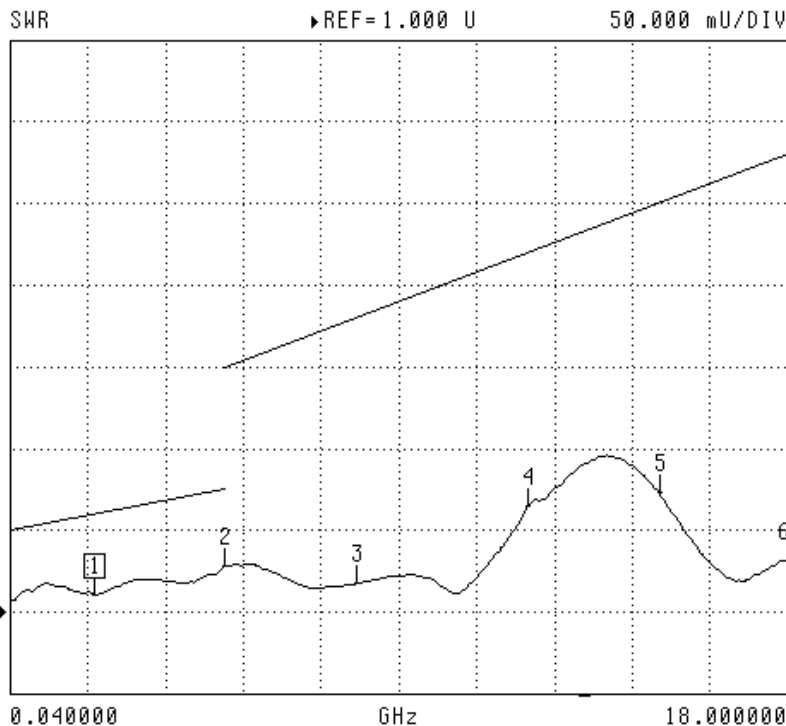
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.028 U

 3 8.032200 GHz
 1.017 U

 4 12.028300 GHz
 1.065 U

 5 15.036600 GHz
 1.073 U

 6 18.000000 GHz
 1.032 U

 MARKER READOUT
 FUNCTIONS

Sample 99

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

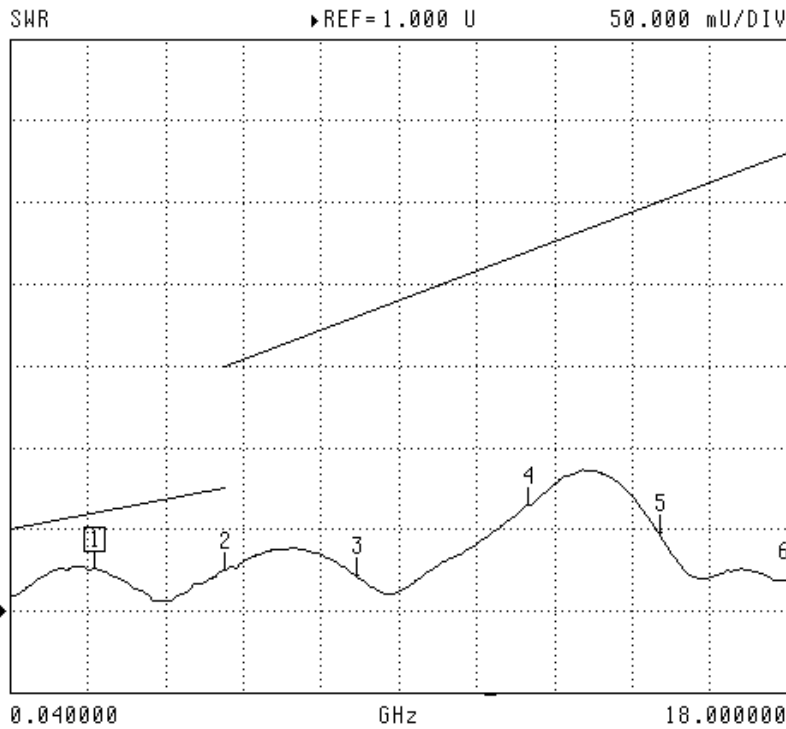
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.026 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.025 U

 3 8.032200 GHz
 1.022 U

 4 12.028300 GHz
 1.065 U

 5 15.036600 GHz
 1.048 U

 6 18.000000 GHz
 1.018 U

 MARKER READOUT
 FUNCTIONS

Sample 100

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

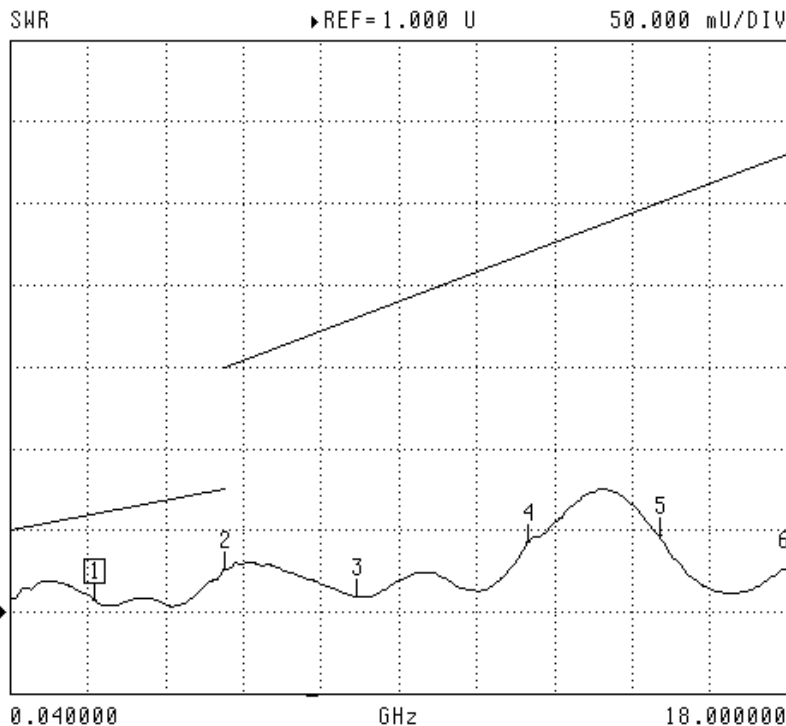
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.007 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.009 U

 4 12.028300 GHz
 1.043 U

 5 15.036600 GHz
 1.046 U

 6 18.000000 GHz
 1.026 U

 MARKER READOUT
 FUNCTIONS

Sample 101

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

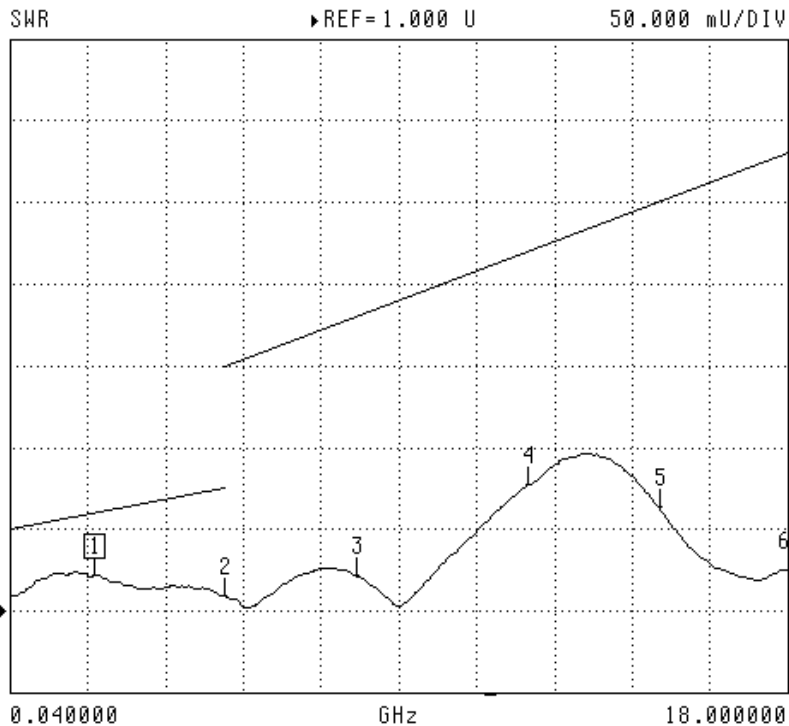
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.009 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.077 U

 5 15.036600 GHz
 1.064 U

 6 18.000000 GHz
 1.025 U

 MARKER READOUT
 FUNCTIONS

Sample 102

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

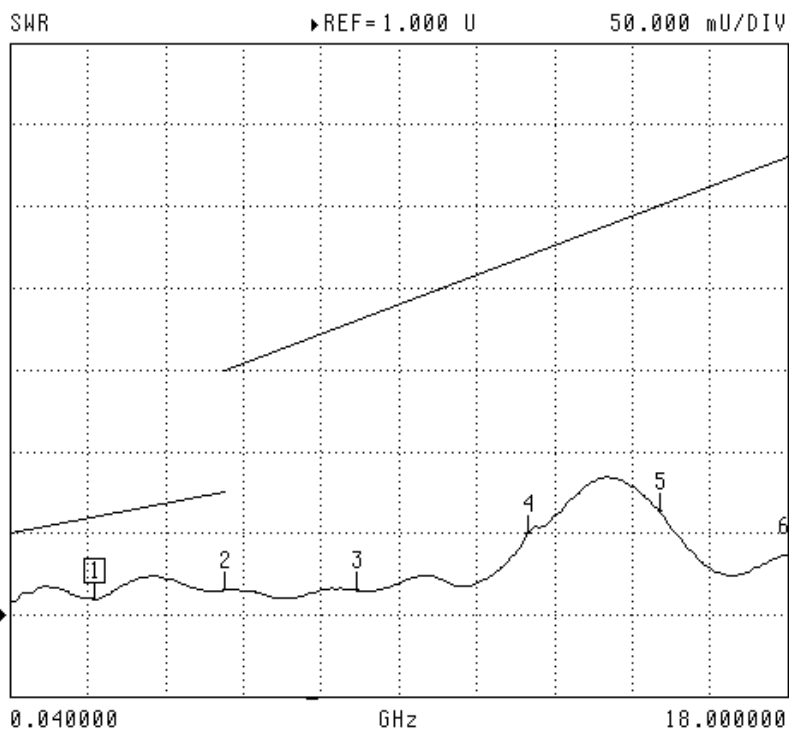
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.015 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.050 U

 5 15.036600 GHz
 1.064 U

 6 18.000000 GHz
 1.036 U

 MARKER READOUT
 FUNCTIONS

Sample 103

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

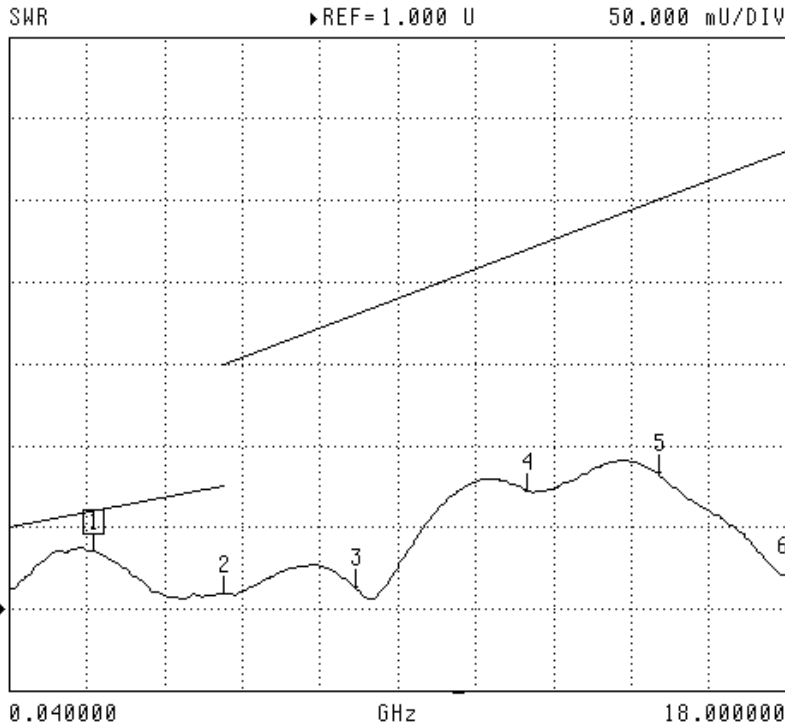
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.035 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.009 U

 3 8.032200 GHz
 1.013 U

 4 12.028300 GHz
 1.072 U

 5 15.036600 GHz
 1.083 U

 6 18.000000 GHz
 1.021 U

 MARKER READOUT
 FUNCTIONS

Sample 104

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

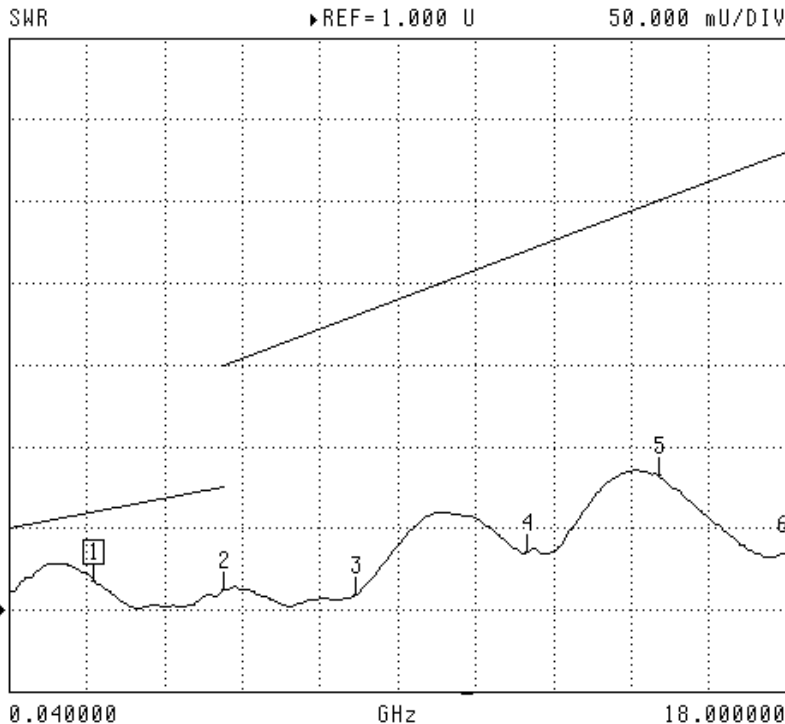
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.018 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.012 U

 3 8.032200 GHz
 1.009 U

 4 12.028300 GHz
 1.035 U

 5 15.036600 GHz
 1.083 U

 6 18.000000 GHz
 1.034 U

 MARKER READOUT
 FUNCTIONS

Sample 105

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

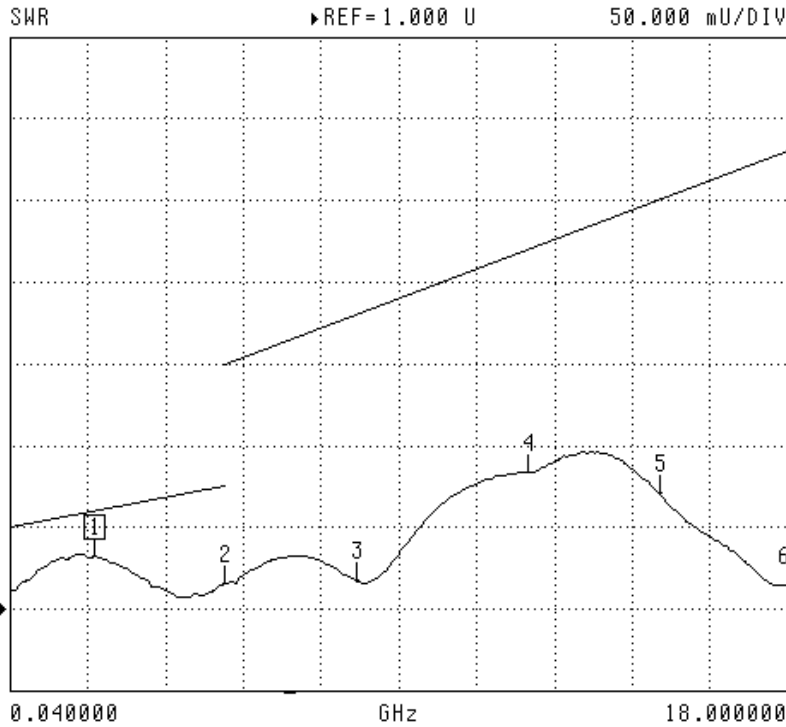
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.032 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.015 U

 3 8.032200 GHz
 1.018 U

 4 12.028300 GHz
 1.083 U

 5 15.036600 GHz
 1.071 U

 6 18.000000 GHz
 1.014 U

 MARKER READOUT
 FUNCTIONS

Sample 106

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

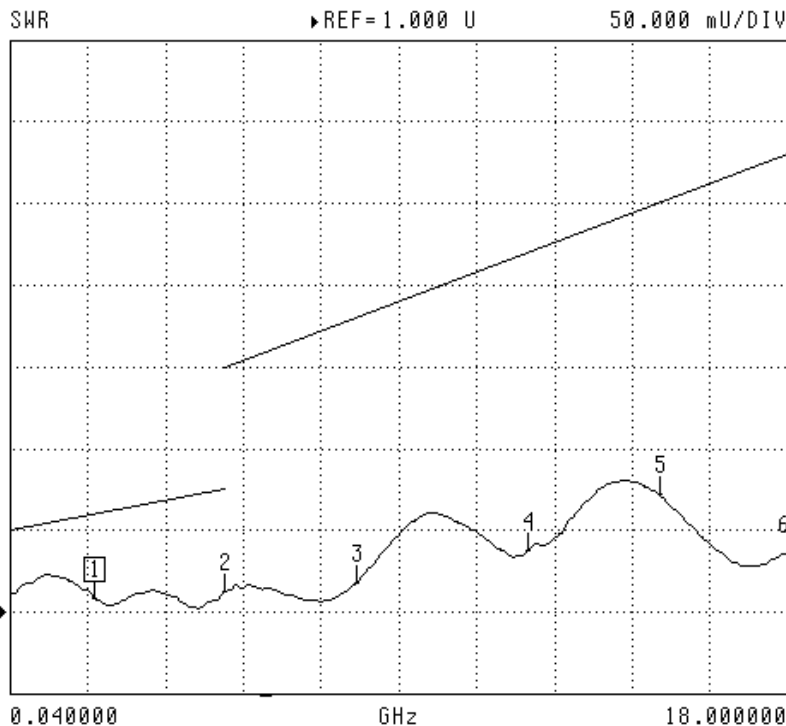
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.013 U

 3 8.032200 GHz
 1.018 U

 4 12.028300 GHz
 1.038 U

 5 15.036600 GHz
 1.072 U

 6 18.000000 GHz
 1.035 U

 MARKER READOUT
 FUNCTIONS

Sample 107

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

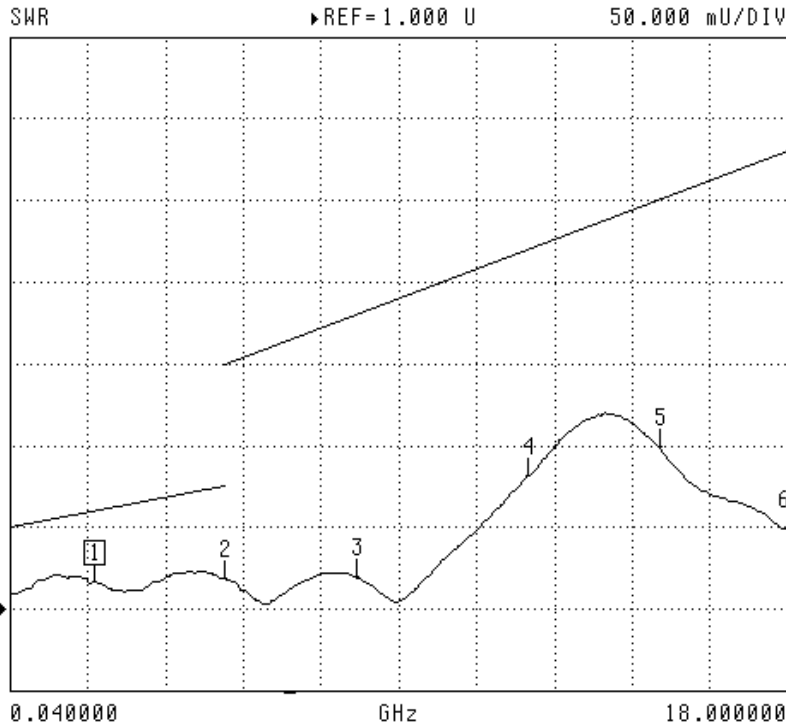
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.016 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.018 U

 3 8.032200 GHz
 1.019 U

 4 12.028300 GHz
 1.081 U

 5 15.036600 GHz
 1.099 U

 6 18.000000 GHz
 1.048 U

 MARKER READOUT
 FUNCTIONS

Sample 108

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

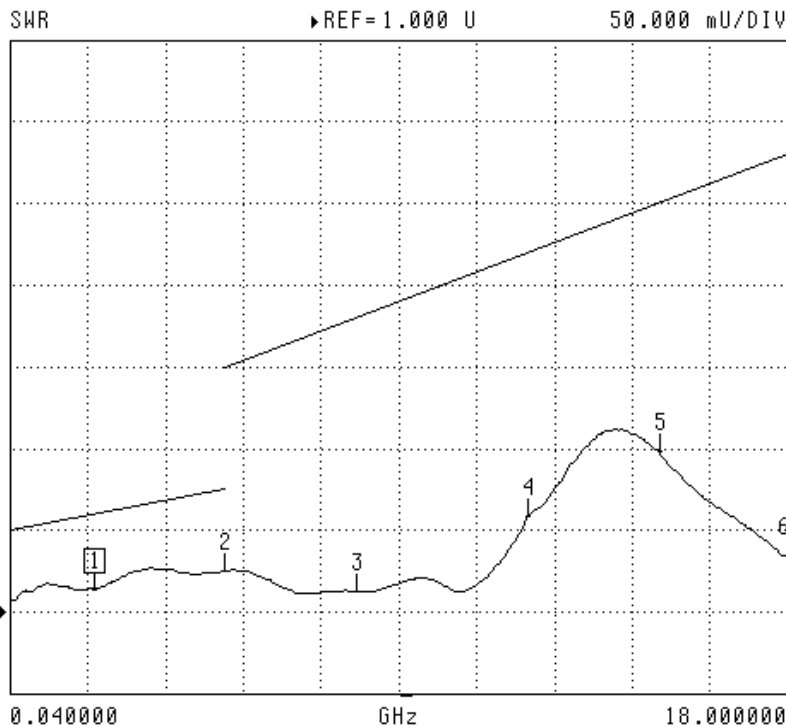
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.014 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.025 U

 3 8.032200 GHz
 1.012 U

 4 12.028300 GHz
 1.059 U

 5 15.036600 GHz
 1.098 U

 6 18.000000 GHz
 1.034 U

 MARKER READOUT
 FUNCTIONS

Sample 109

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

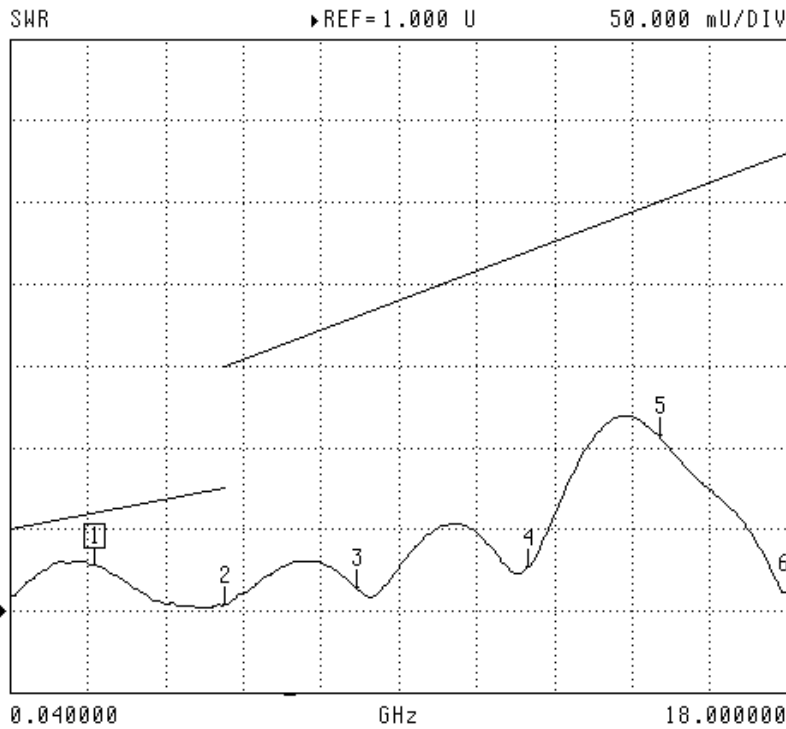
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.028 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.003 U

 3 8.032200 GHz
 1.014 U

 4 12.028300 GHz
 1.027 U

 5 15.036600 GHz
 1.107 U

 6 18.000000 GHz
 1.011 U

 MARKER READOUT
 FUNCTIONS

Sample 110

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

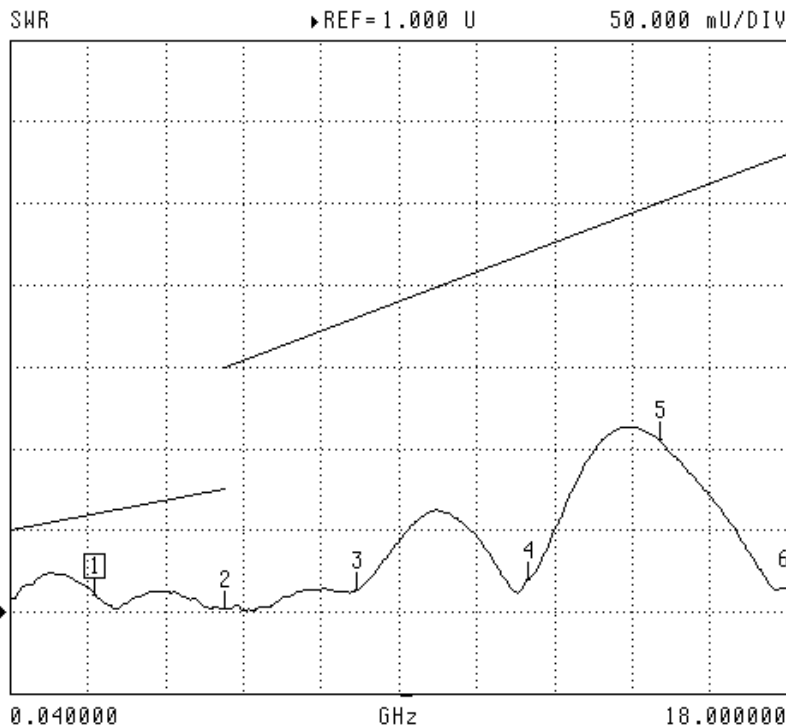
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.002 U

 3 8.032200 GHz
 1.013 U

 4 12.028300 GHz
 1.020 U

 5 15.036600 GHz
 1.106 U

 6 18.000000 GHz
 1.015 U

 MARKER READOUT
 FUNCTIONS

Sample 111

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

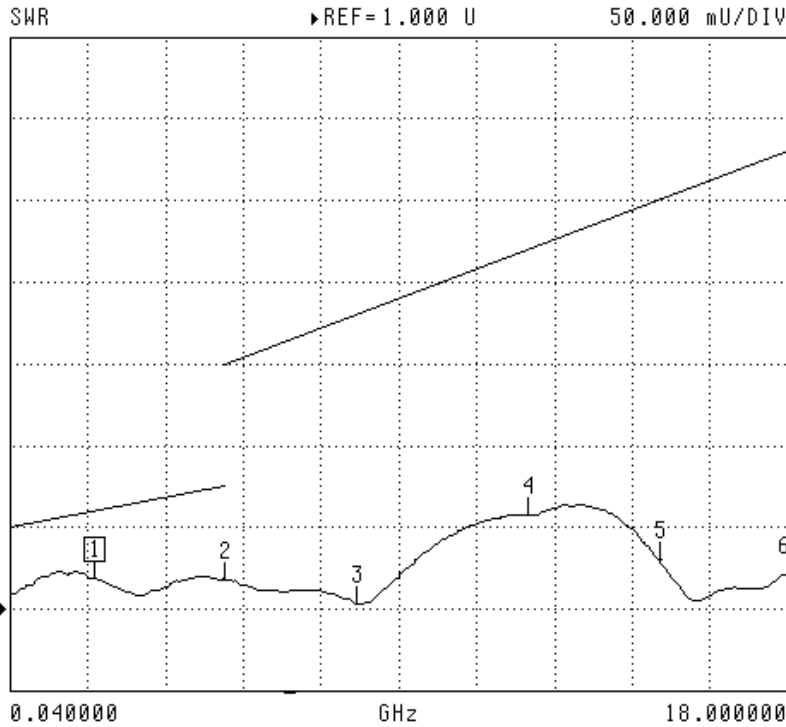
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.019 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.018 U

 3 8.032200 GHz
 1.003 U

 4 12.028300 GHz
 1.057 U

 5 15.036600 GHz
 1.030 U

 6 18.000000 GHz
 1.021 U

 MARKER READOUT
 FUNCTIONS

Sample 112

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

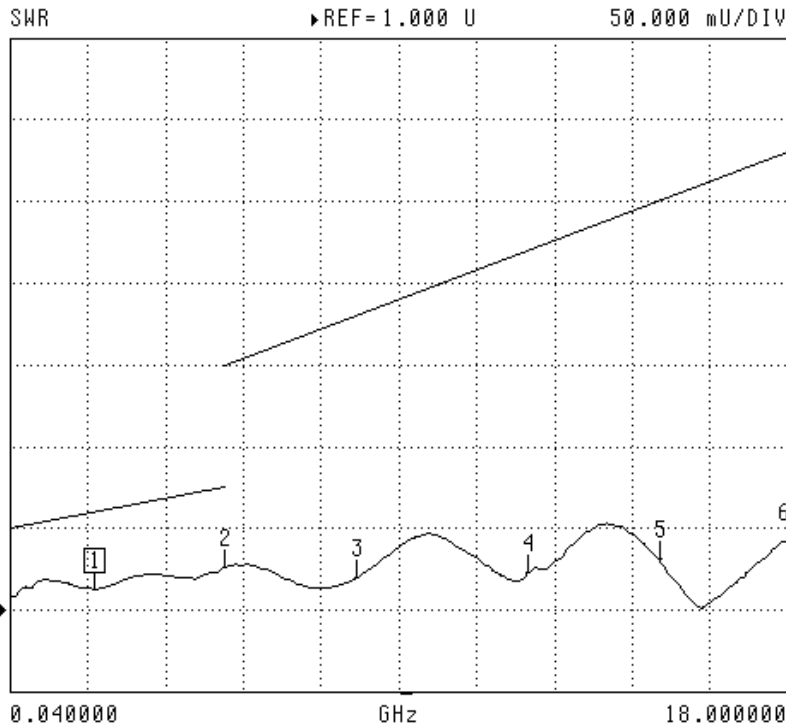
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.013 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.019 U

 4 12.028300 GHz
 1.023 U

 5 15.036600 GHz
 1.031 U

 6 18.000000 GHz
 1.042 U

 MARKER READOUT
 FUNCTIONS

Sample 113

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

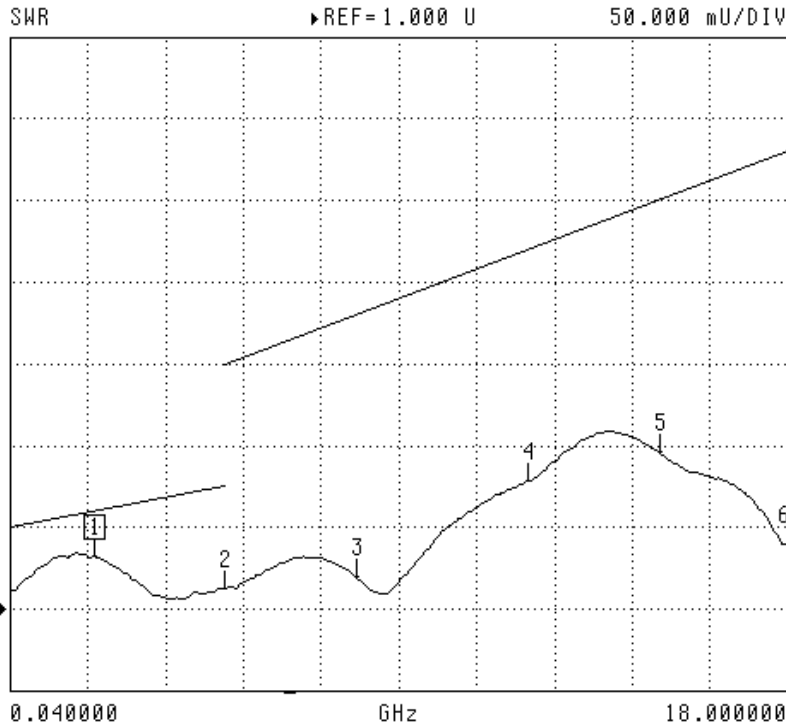
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.032 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.013 U

 3 8.032200 GHz
 1.020 U

 4 12.028300 GHz
 1.078 U

 5 15.036600 GHz
 1.096 U

 6 18.000000 GHz
 1.040 U

 MARKER READOUT
 FUNCTIONS

Sample 114

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

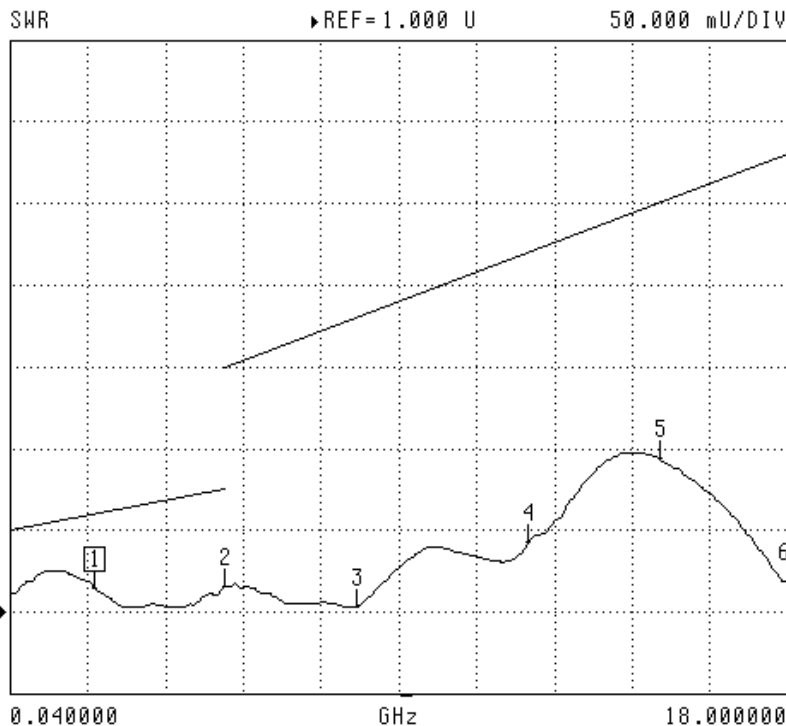
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.015 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.015 U

 3 8.032200 GHz
 1.003 U

 4 12.028300 GHz
 1.042 U

 5 15.036600 GHz
 1.094 U

 6 18.000000 GHz
 1.019 U

 MARKER READOUT
 FUNCTIONS

Sample 115

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

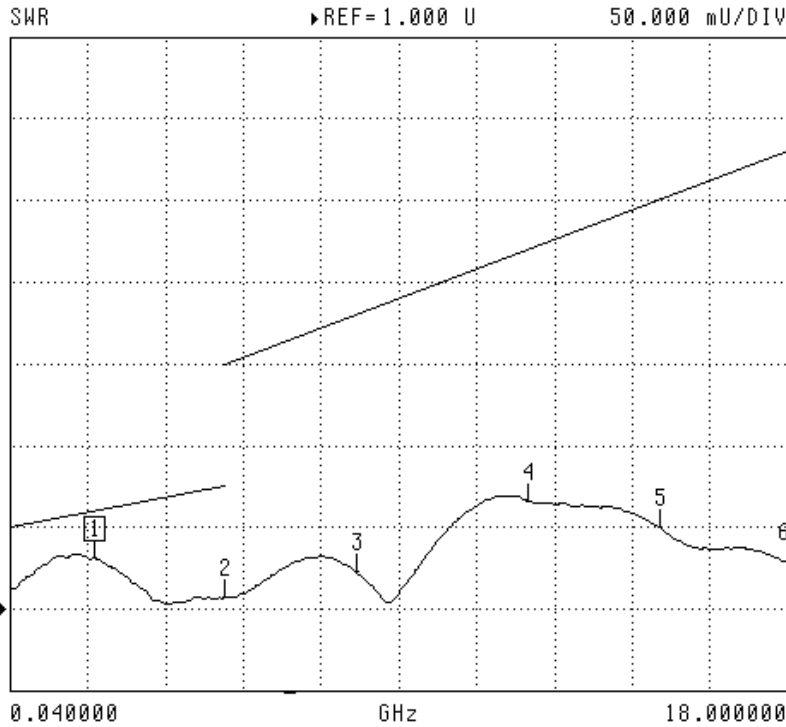
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.031 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.007 U

 3 8.032200 GHz
 1.023 U

 4 12.028300 GHz
 1.066 U

 5 15.036600 GHz
 1.050 U

 6 18.000000 GHz
 1.030 U

 MARKER READOUT
 FUNCTIONS

Sample 116

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

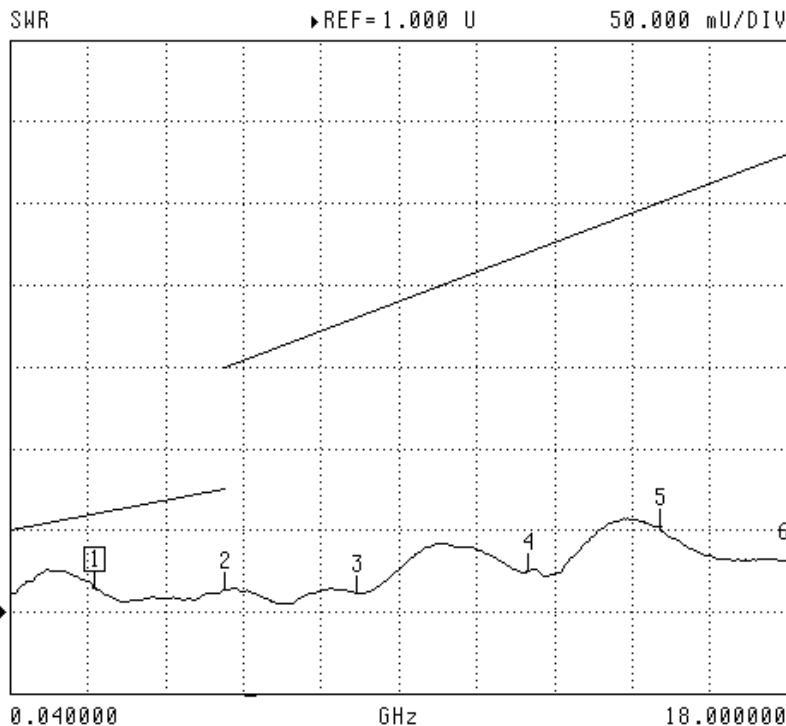
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.015 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.014 U

 3 8.032200 GHz
 1.012 U

 4 12.028300 GHz
 1.025 U

 5 15.036600 GHz
 1.052 U

 6 18.000000 GHz
 1.031 U

 MARKER READOUT
 FUNCTIONS

Sample 117

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

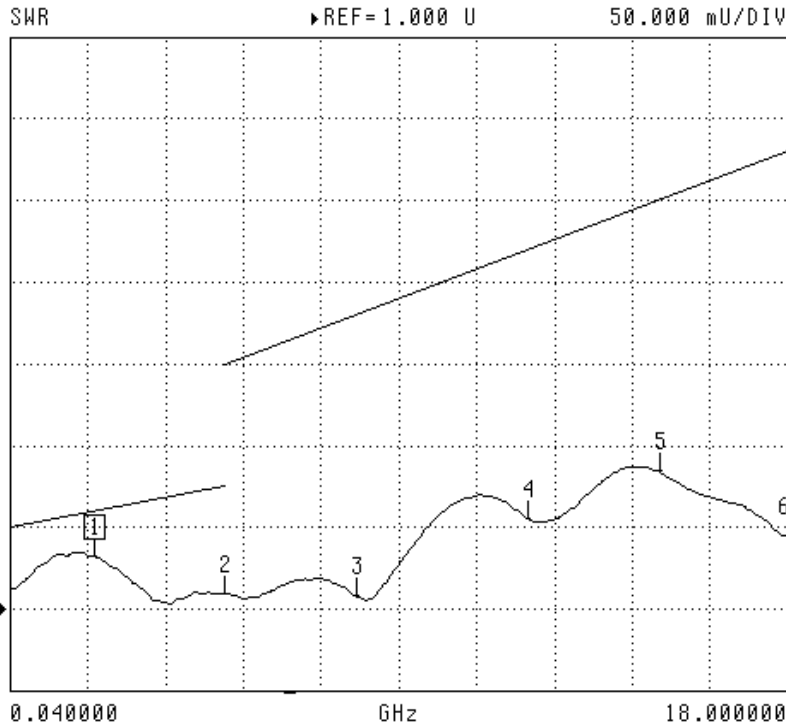
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.032 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.009 U

 3 8.032200 GHz
 1.008 U

 4 12.028300 GHz
 1.055 U

 5 15.036600 GHz
 1.085 U

 6 18.000000 GHz
 1.045 U

 MARKER READOUT
 FUNCTIONS

Sample 118

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

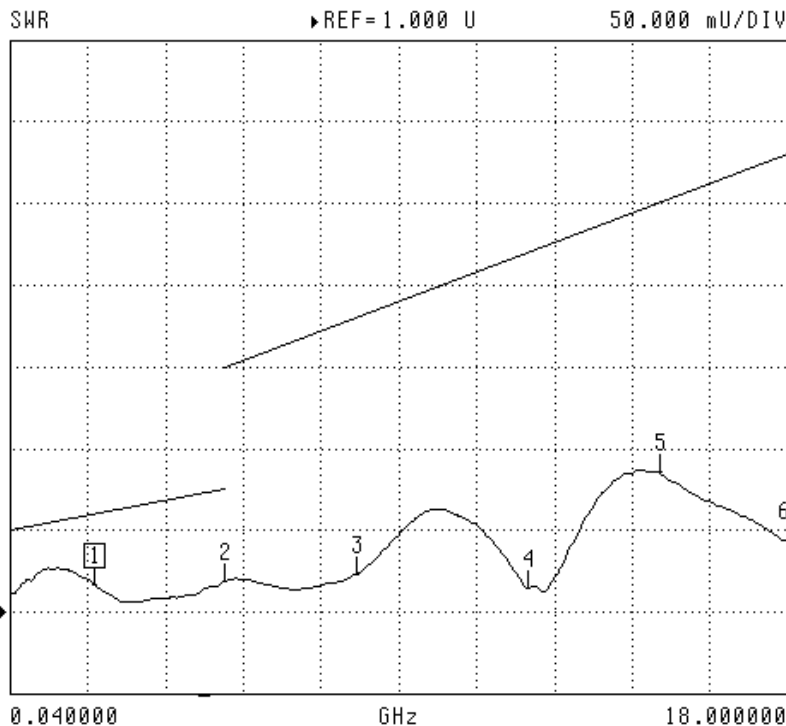
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / Initial measurement

24/01/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.016 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.019 U

 3 8.032200 GHz
 1.023 U

 4 12.028300 GHz
 1.015 U

 5 15.036600 GHz
 1.086 U

 6 18.000000 GHz
 1.043 U

 MARKER READOUT
 FUNCTIONS

Sample 119

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

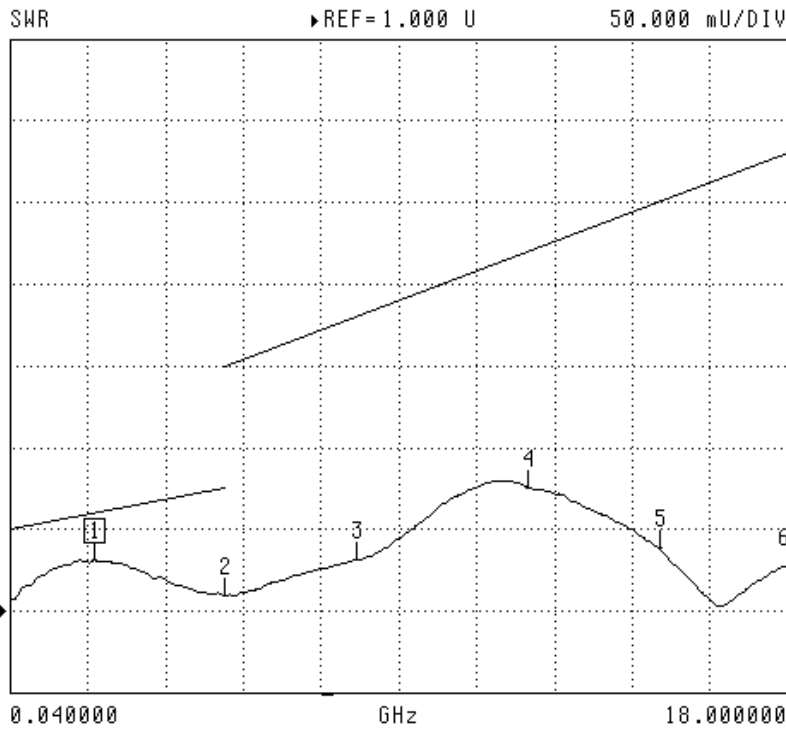
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.031 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.010 U

 3 8.032200 GHz
 1.031 U

 4 12.028300 GHz
 1.075 U

 5 15.036600 GHz
 1.039 U

 6 18.000000 GHz
 1.027 U

 MARKER READOUT
 FUNCTIONS

Sample 1

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

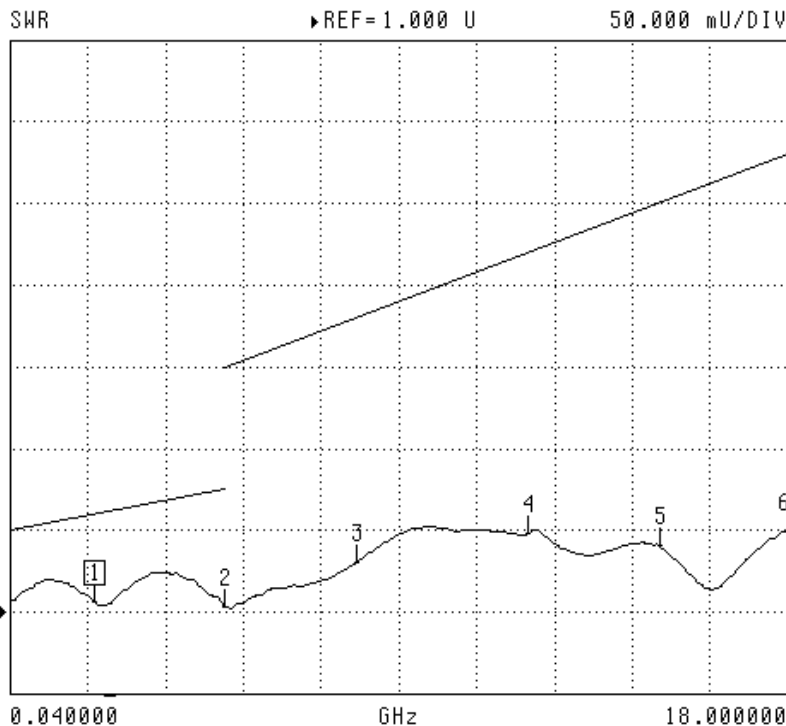
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.006 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.003 U

 3 8.032200 GHz
 1.030 U

 4 12.028300 GHz
 1.048 U

 5 15.036600 GHz
 1.041 U

 6 18.000000 GHz
 1.049 U

 MARKER READOUT
 FUNCTIONS

Sample 2

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

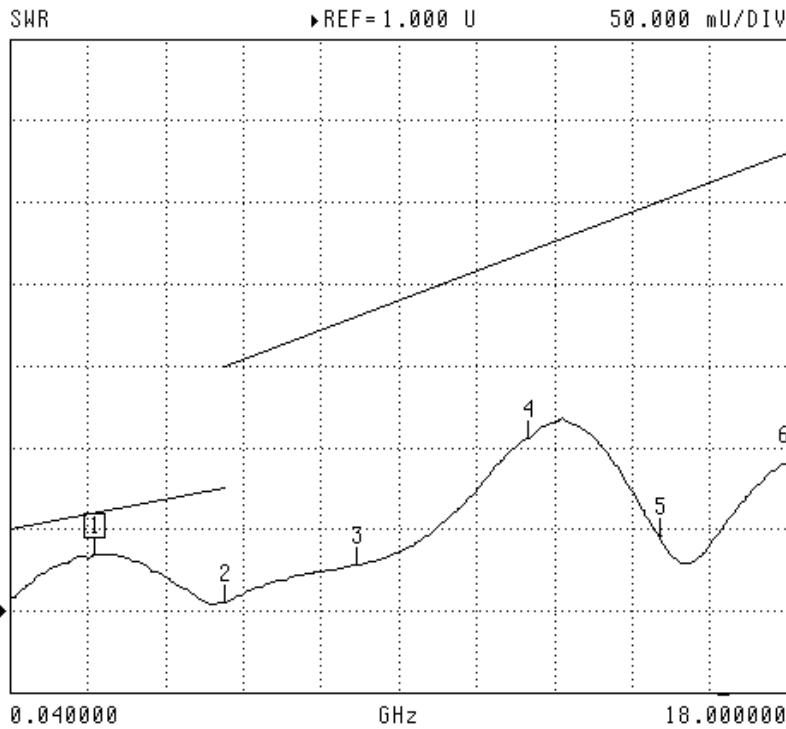
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.034 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.005 U

 3 8.032200 GHz
 1.028 U

 4 12.028300 GHz
 1.106 U

 5 15.036600 GHz
 1.046 U

 6 18.000000 GHz
 1.090 U

 MARKER READOUT
 FUNCTIONS

Sample 3

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

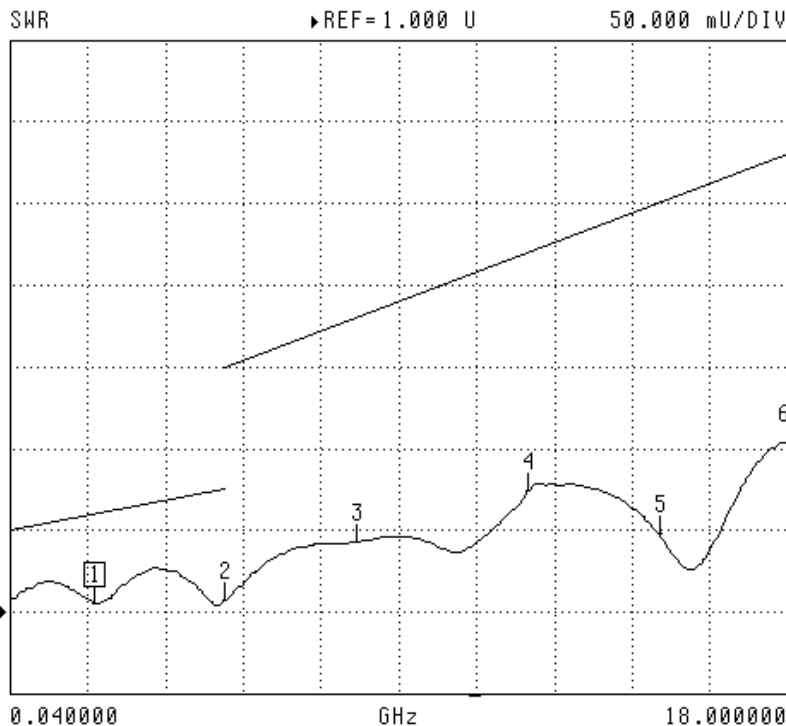
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.005 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.007 U

 3 8.032200 GHz
 1.043 U

 4 12.028300 GHz
 1.074 U

 5 15.036600 GHz
 1.048 U

 6 18.000000 GHz
 1.103 U

 MARKER READOUT
 FUNCTIONS

Sample 4

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

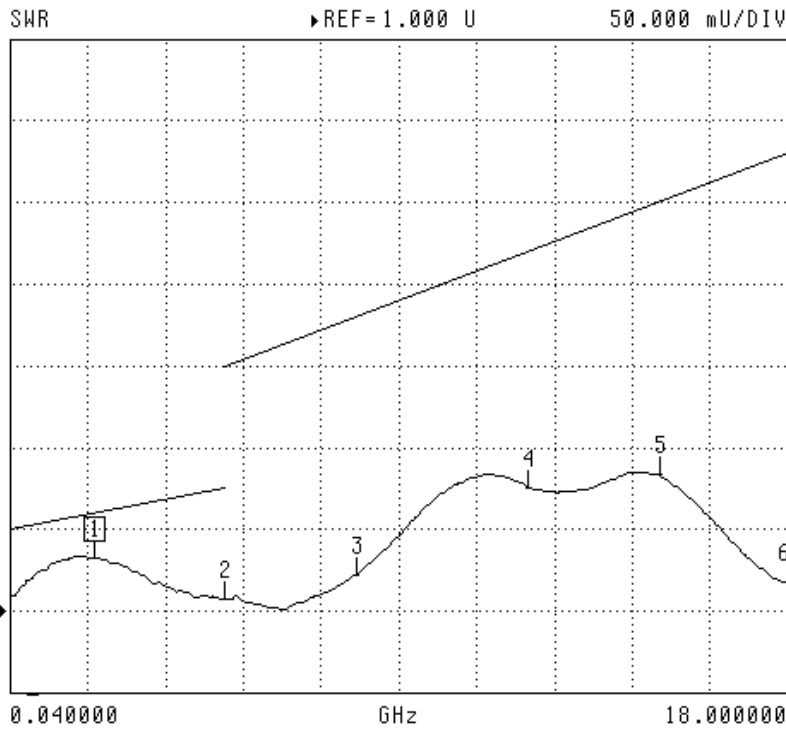
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.033 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.007 U

 3 8.032200 GHz
 1.022 U

 4 12.028300 GHz
 1.075 U

 5 15.036600 GHz
 1.084 U

 6 18.000000 GHz
 1.018 U

 MARKER READOUT
 FUNCTIONS

Sample 5

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

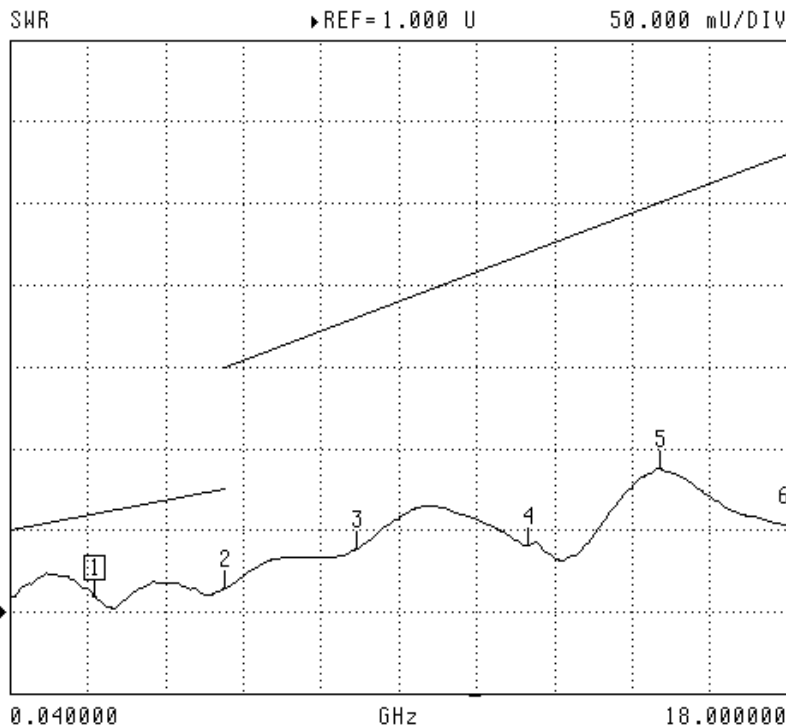
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.014 U

 3 8.032200 GHz
 1.038 U

 4 12.028300 GHz
 1.041 U

 5 15.036600 GHz
 1.088 U

 6 18.000000 GHz
 1.053 U

 MARKER READOUT
 FUNCTIONS

Sample 6

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

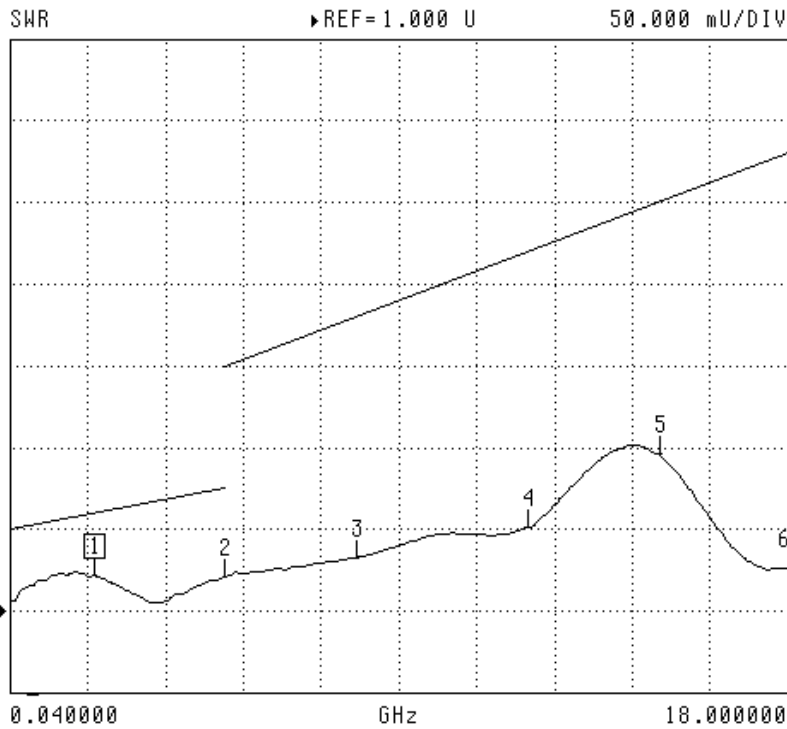
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.033 U

 4 12.028300 GHz
 1.051 U

 5 15.036600 GHz
 1.096 U

 6 18.000000 GHz
 1.026 U

 MARKER READOUT
 FUNCTIONS

Sample 7

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

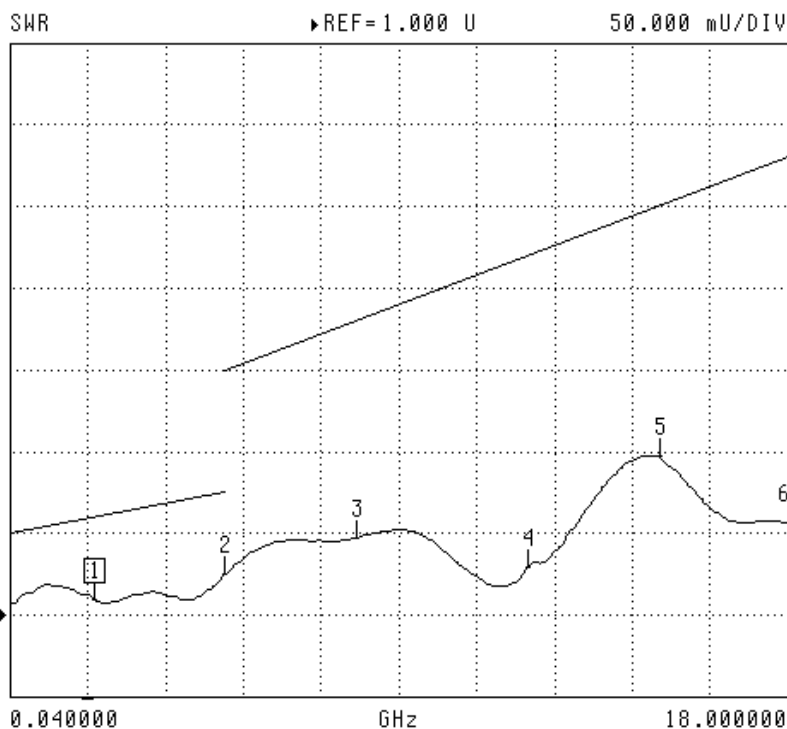
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.025 U

 3 8.032200 GHz
 1.047 U

 4 12.028300 GHz
 1.030 U

 5 15.036600 GHz
 1.097 U

 6 18.000000 GHz
 1.057 U

 MARKER READOUT
 FUNCTIONS

Sample 8

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

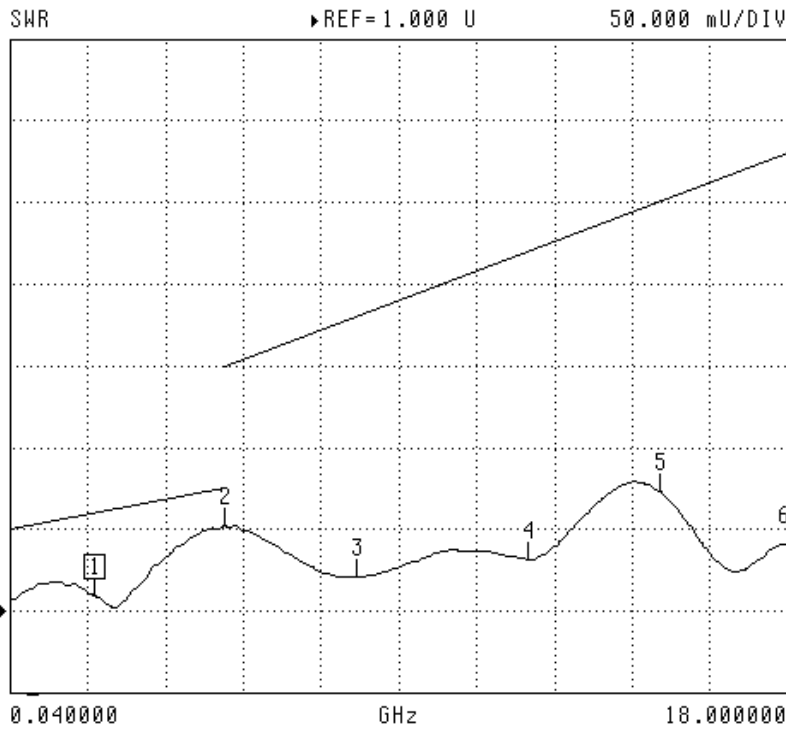
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.052 U

 3 8.032200 GHz
 1.020 U

 4 12.028300 GHz
 1.031 U

 5 15.036600 GHz
 1.074 U

 6 18.000000 GHz
 1.041 U

 MARKER READOUT
 FUNCTIONS

Sample 9

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

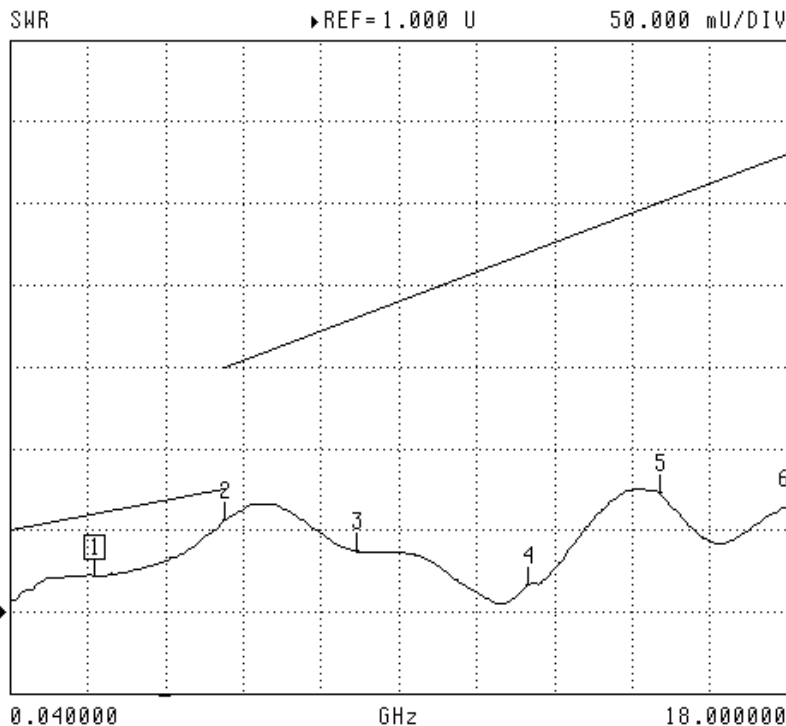
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.022 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.056 U

 3 8.032200 GHz
 1.037 U

 4 12.028300 GHz
 1.017 U

 5 15.036600 GHz
 1.073 U

 6 18.000000 GHz
 1.064 U

 MARKER READOUT
 FUNCTIONS

Sample 10

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

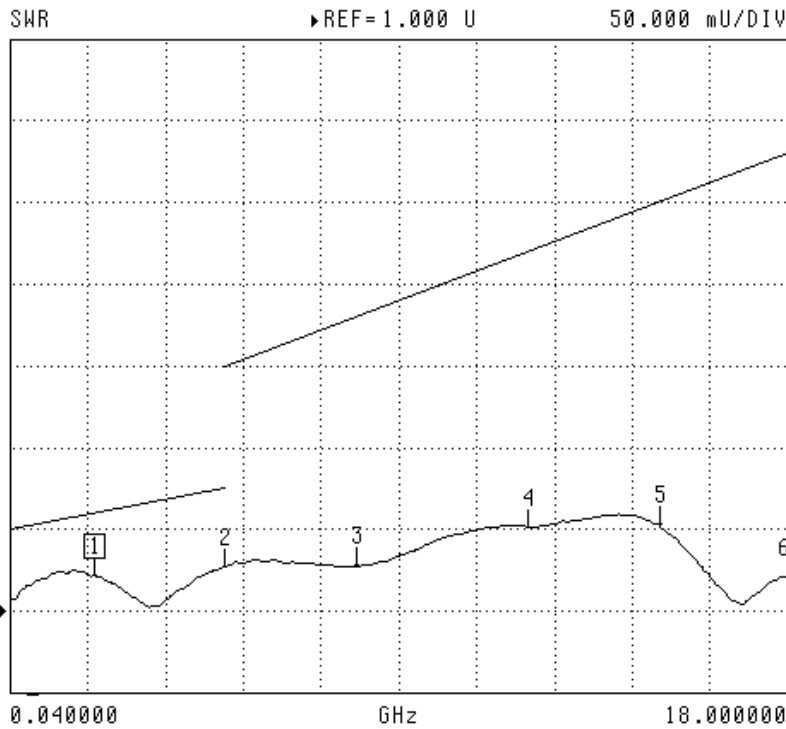
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.022 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.027 U

 3 8.032200 GHz
 1.028 U

 4 12.028300 GHz
 1.051 U

 5 15.036600 GHz
 1.053 U

 6 18.000000 GHz
 1.021 U

 MARKER READOUT
 FUNCTIONS

Sample 11

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

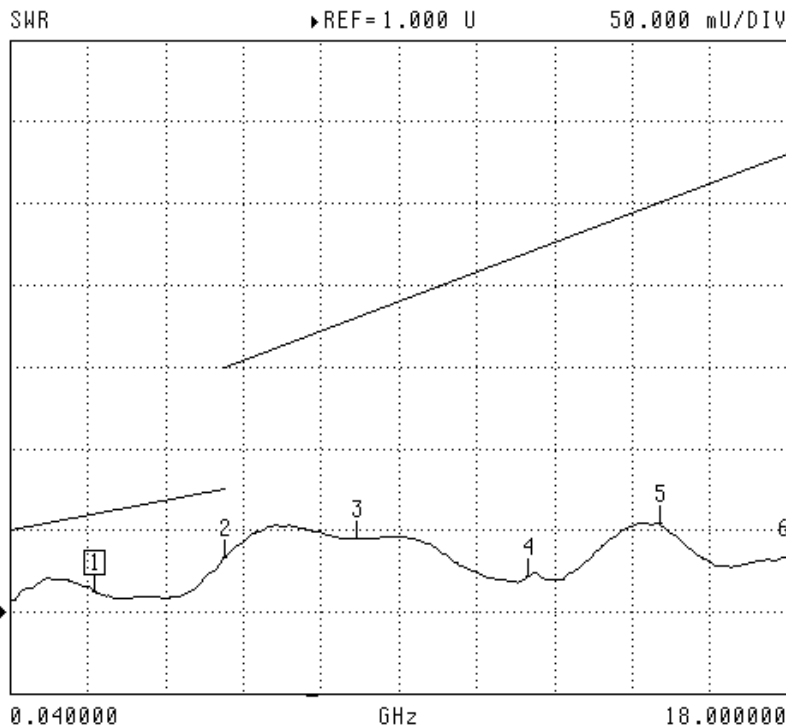
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.012 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.034 U

 3 8.032200 GHz
 1.044 U

 4 12.028300 GHz
 1.022 U

 5 15.036600 GHz
 1.054 U

 6 18.000000 GHz
 1.033 U

 MARKER READOUT
 FUNCTIONS

Sample 12

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

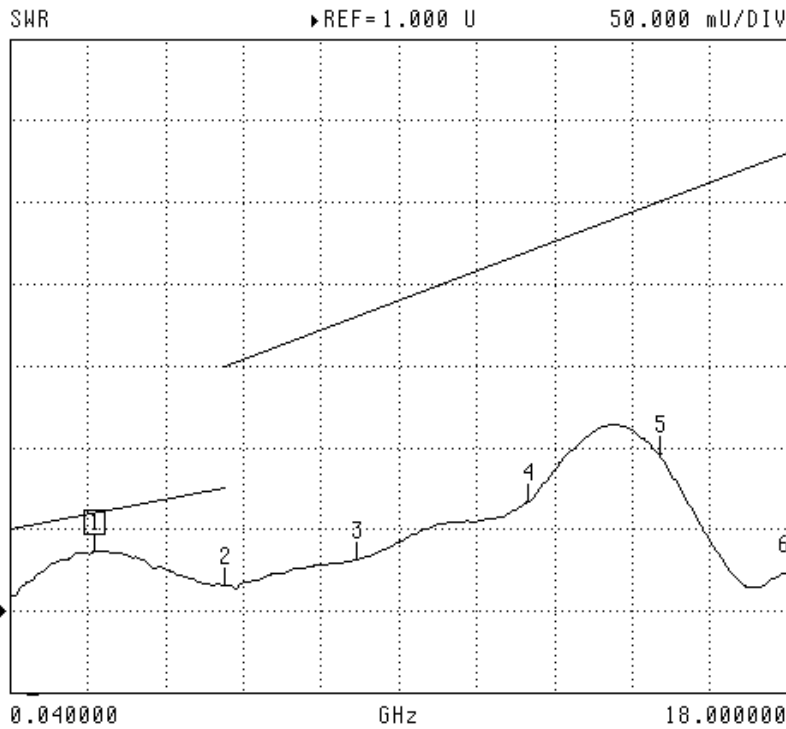
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.036 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.015 U

 3 8.032200 GHz
 1.031 U

 4 12.028300 GHz
 1.067 U

 5 15.036600 GHz
 1.096 U

 6 18.000000 GHz
 1.023 U

 MARKER READOUT
 FUNCTIONS

Sample 13

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

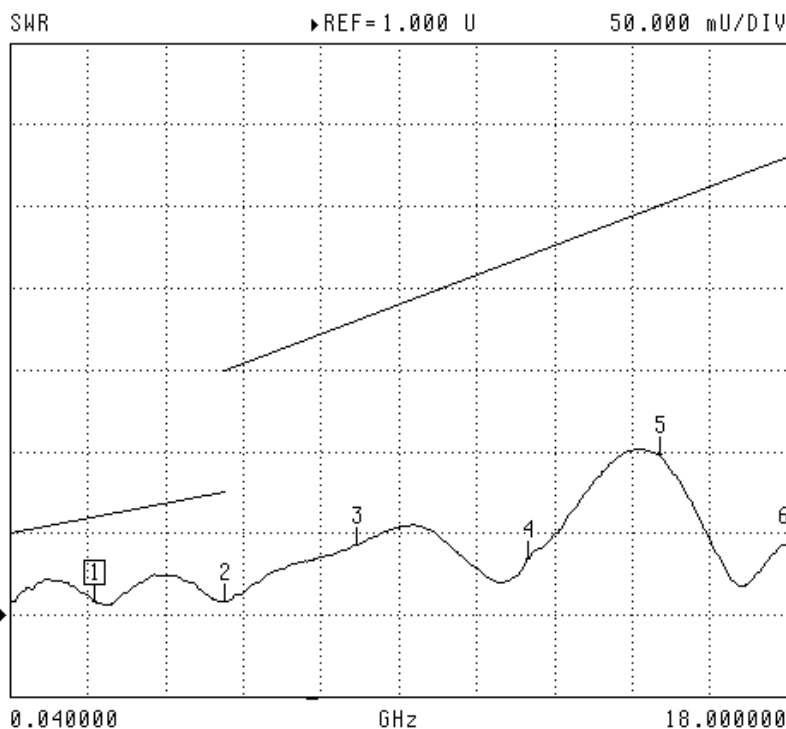
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.008 U

 3 8.032200 GHz
 1.042 U

 4 12.028300 GHz
 1.035 U

 5 15.036600 GHz
 1.098 U

 6 18.000000 GHz
 1.043 U

 MARKER READOUT
 FUNCTIONS

Sample 14

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

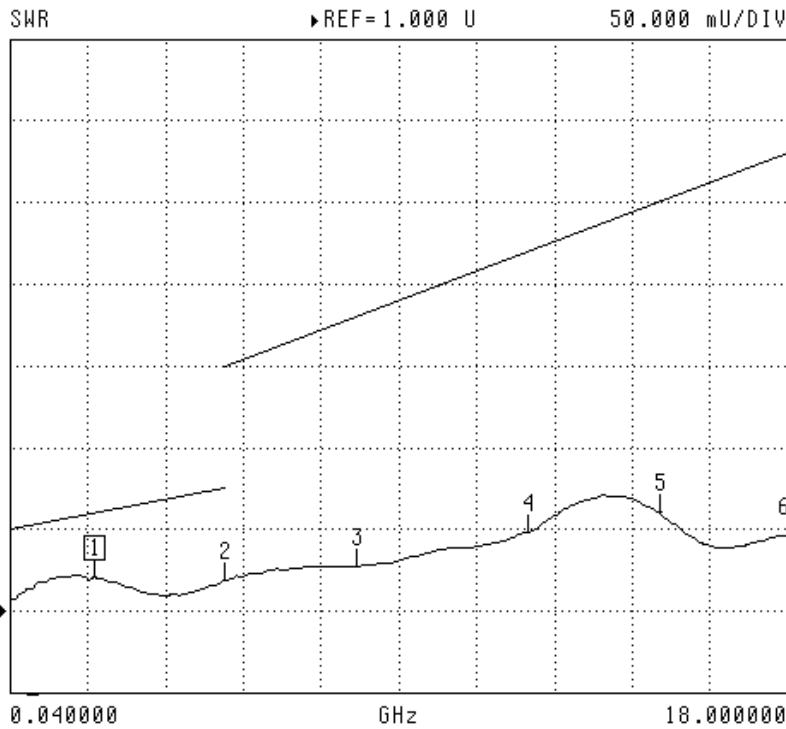
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.019 U

 3 8.032200 GHz
 1.027 U

 4 12.028300 GHz
 1.048 U

 5 15.036600 GHz
 1.060 U

 6 18.000000 GHz
 1.046 U

 MARKER READOUT
 FUNCTIONS

Sample 15

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

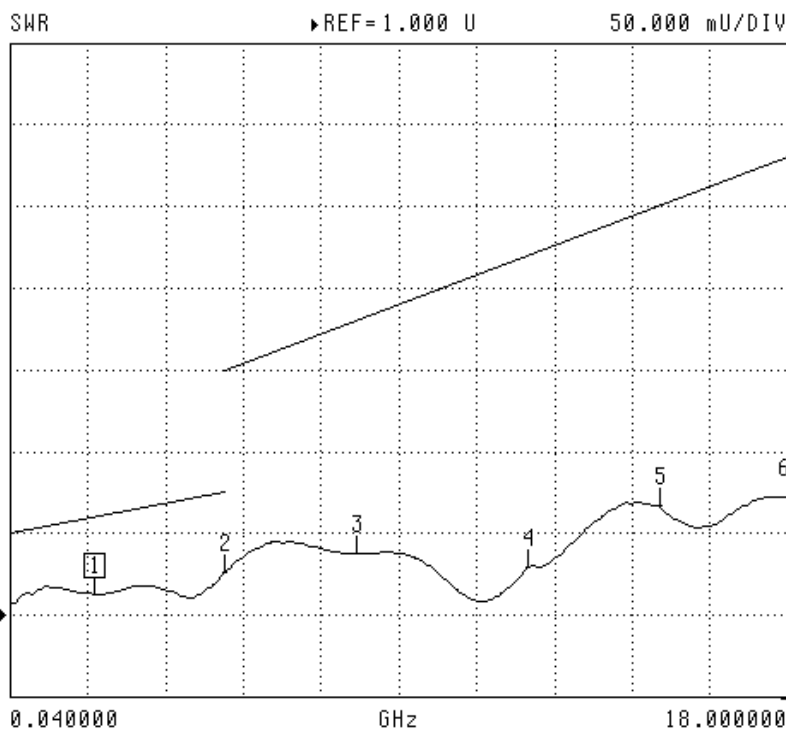
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.012 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.037 U

 4 12.028300 GHz
 1.029 U

 5 15.036600 GHz
 1.066 U

 6 18.000000 GHz
 1.072 U

 MARKER READOUT
 FUNCTIONS

Sample 16

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

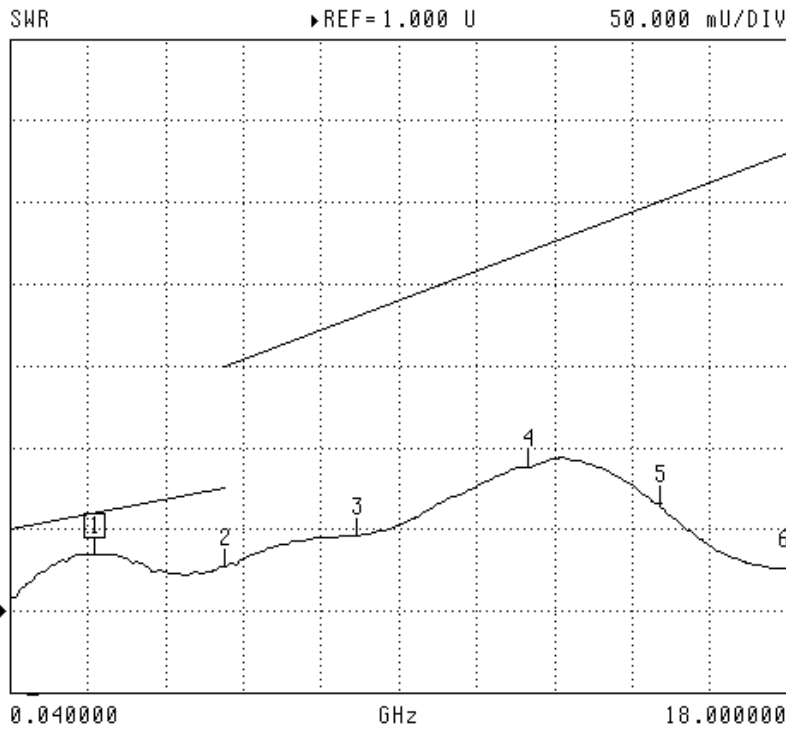
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.035 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.027 U

 3 8.032200 GHz
 1.046 U

 4 12.028300 GHz
 1.088 U

 5 15.036600 GHz
 1.065 U

 6 18.000000 GHz
 1.026 U

 MARKER READOUT
 FUNCTIONS

Sample 17

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

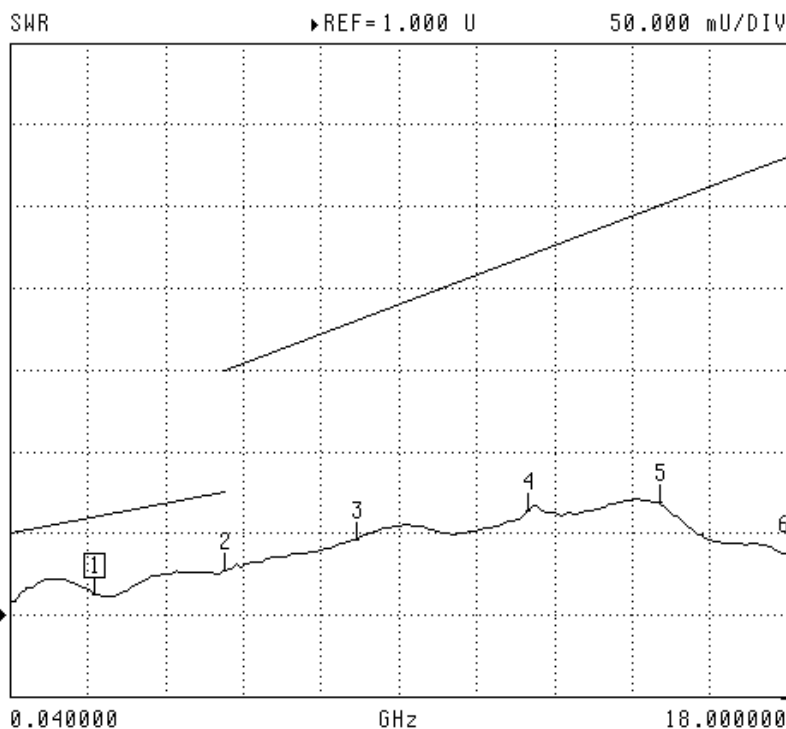
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.013 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.027 U

 3 8.032200 GHz
 1.046 U

 4 12.028300 GHz
 1.064 U

 5 15.036600 GHz
 1.069 U

 6 18.000000 GHz
 1.037 U

 MARKER READOUT
 FUNCTIONS

Sample 18

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

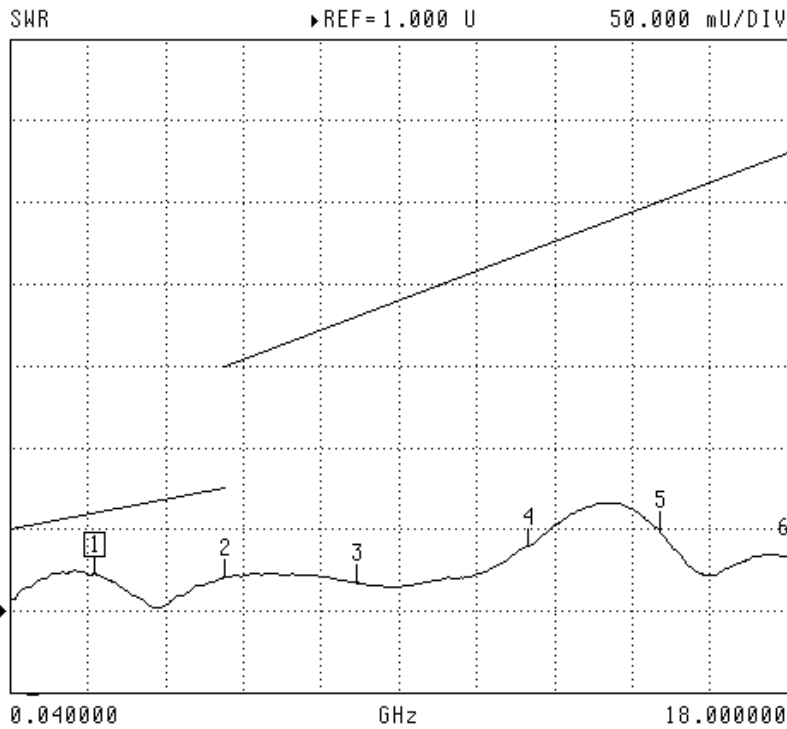
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.022 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.020 U

 3 8.032200 GHz
 1.017 U

 4 12.028300 GHz
 1.040 U

 5 15.036600 GHz
 1.050 U

 6 18.000000 GHz
 1.033 U

 MARKER READOUT
 FUNCTIONS

Sample 19

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

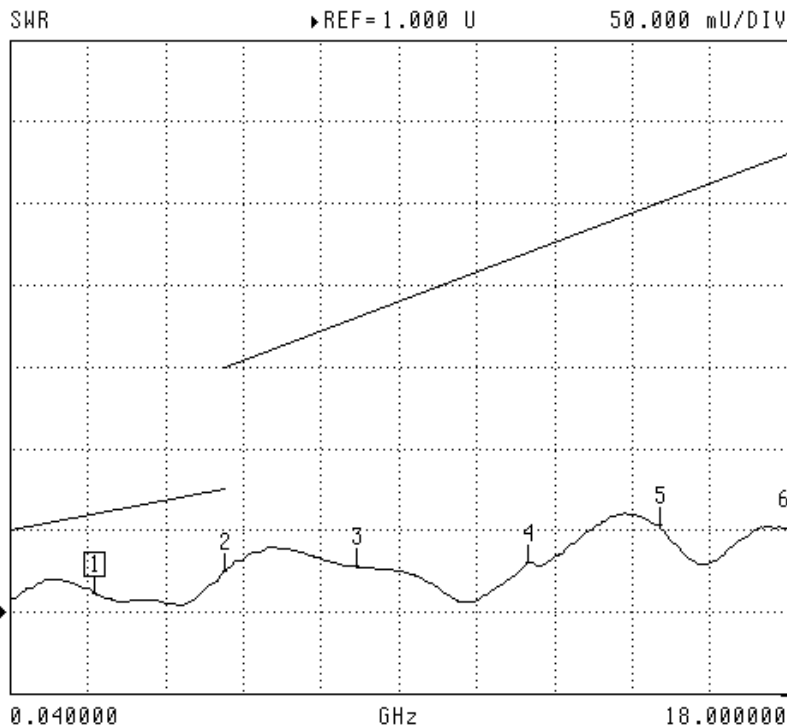
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.025 U

 3 8.032200 GHz
 1.028 U

 4 12.028300 GHz
 1.030 U

 5 15.036600 GHz
 1.053 U

 6 18.000000 GHz
 1.051 U

 MARKER READOUT
 FUNCTIONS

Sample 20

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

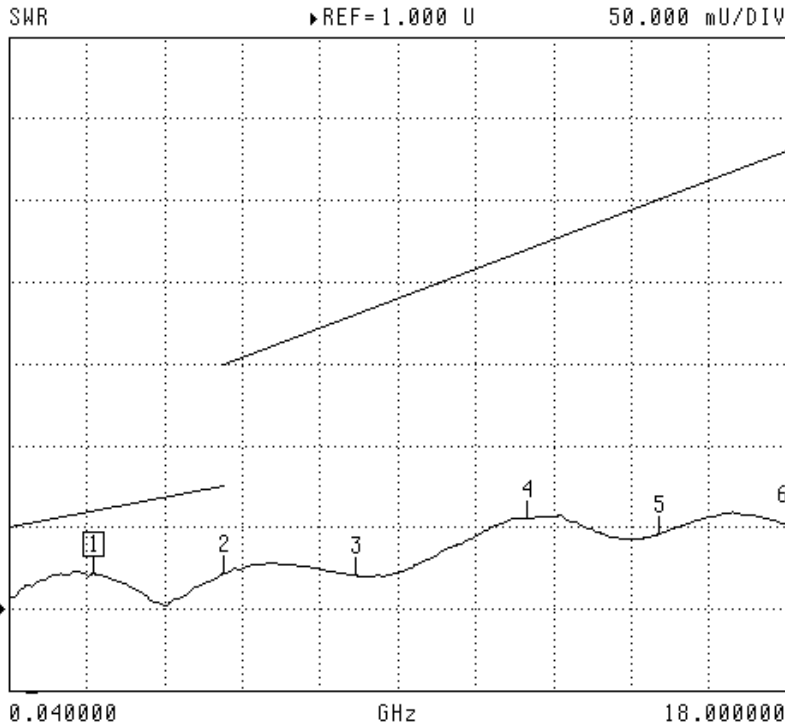
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.022 U

 3 8.032200 GHz
 1.020 U

 4 12.028300 GHz
 1.055 U

 5 15.036600 GHz
 1.045 U

 6 18.000000 GHz
 1.052 U

 MARKER READOUT
 FUNCTIONS

Sample 21

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

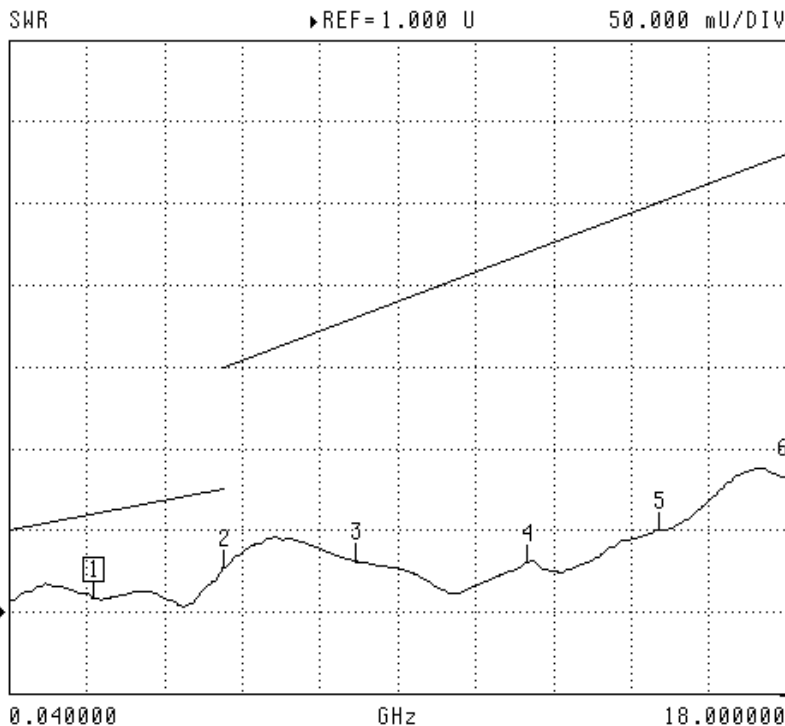
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.027 U

 3 8.032200 GHz
 1.031 U

 4 12.028300 GHz
 1.031 U

 5 15.036600 GHz
 1.050 U

 6 18.000000 GHz
 1.083 U

 MARKER READOUT
 FUNCTIONS

Sample 22

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

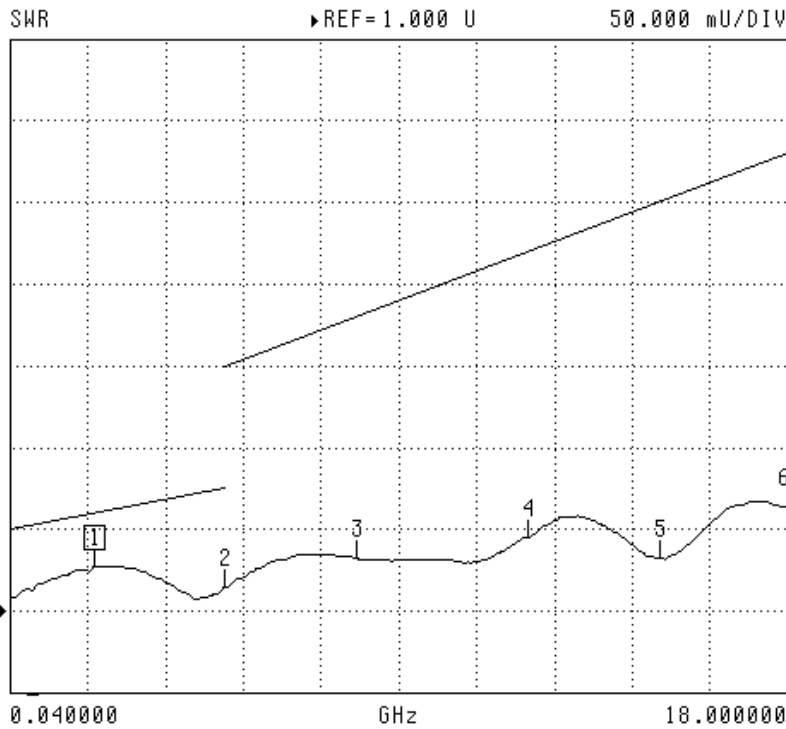
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.027 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.014 U

 3 8.032200 GHz
 1.032 U

 4 12.028300 GHz
 1.045 U

 5 15.036600 GHz
 1.032 U

 6 18.000000 GHz
 1.064 U

 MARKER READOUT
 FUNCTIONS

Sample 23

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

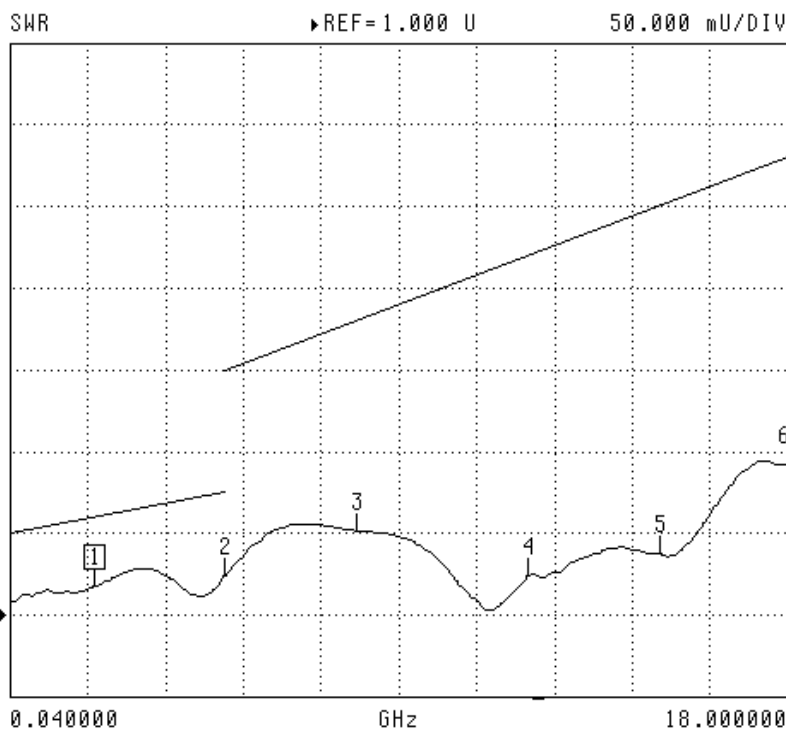
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.017 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.024 U

 3 8.032200 GHz
 1.051 U

 4 12.028300 GHz
 1.024 U

 5 15.036600 GHz
 1.038 U

 6 18.000000 GHz
 1.091 U

 MARKER READOUT
 FUNCTIONS

Sample 24

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

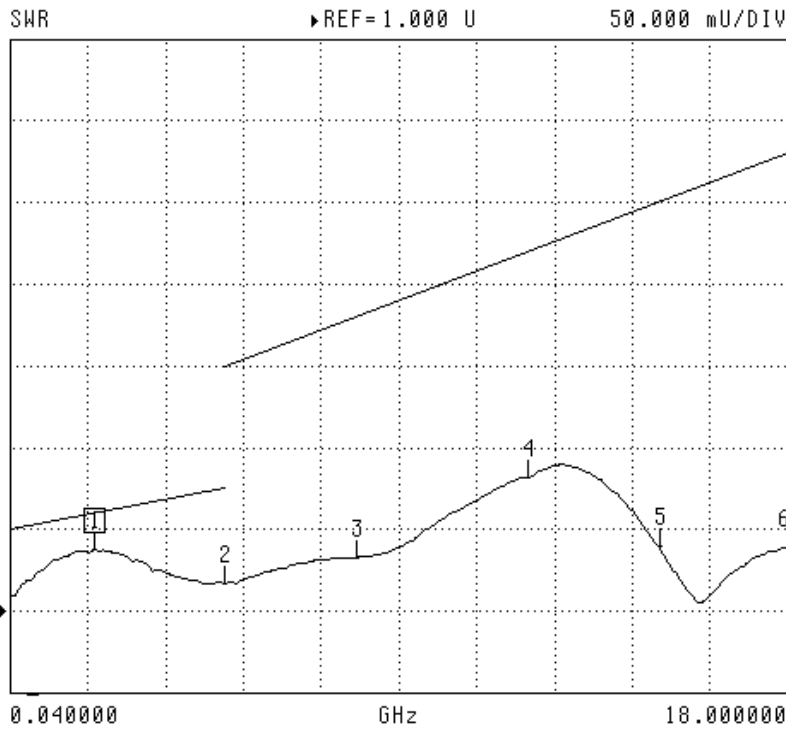
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.037 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.033 U

 4 12.028300 GHz
 1.081 U

 5 15.036600 GHz
 1.039 U

 6 18.000000 GHz
 1.038 U

 MARKER READOUT
 FUNCTIONS

Sample 25

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

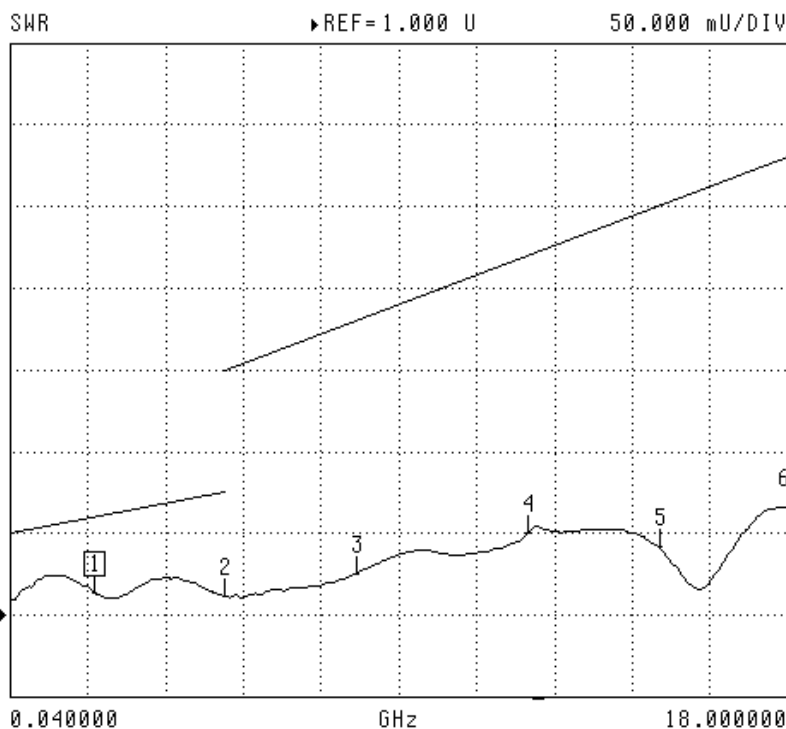
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.013 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.011 U

 3 8.032200 GHz
 1.025 U

 4 12.028300 GHz
 1.050 U

 5 15.036600 GHz
 1.042 U

 6 18.000000 GHz
 1.066 U

 MARKER READOUT
 FUNCTIONS

Sample 26

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

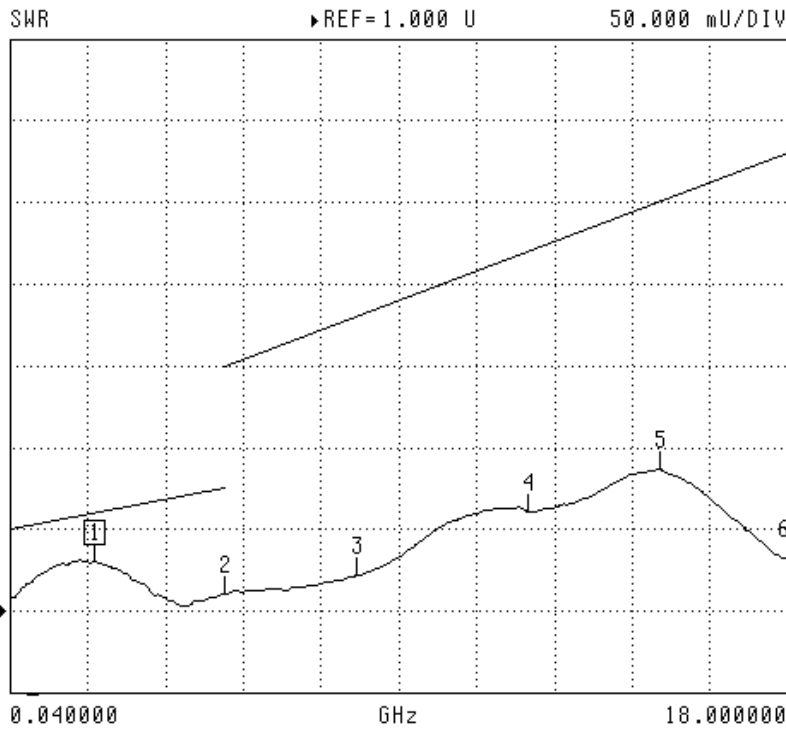
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.030 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.011 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.061 U

 5 15.036600 GHz
 1.087 U

 6 18.000000 GHz
 1.033 U

 MARKER READOUT
 FUNCTIONS

Sample 27

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

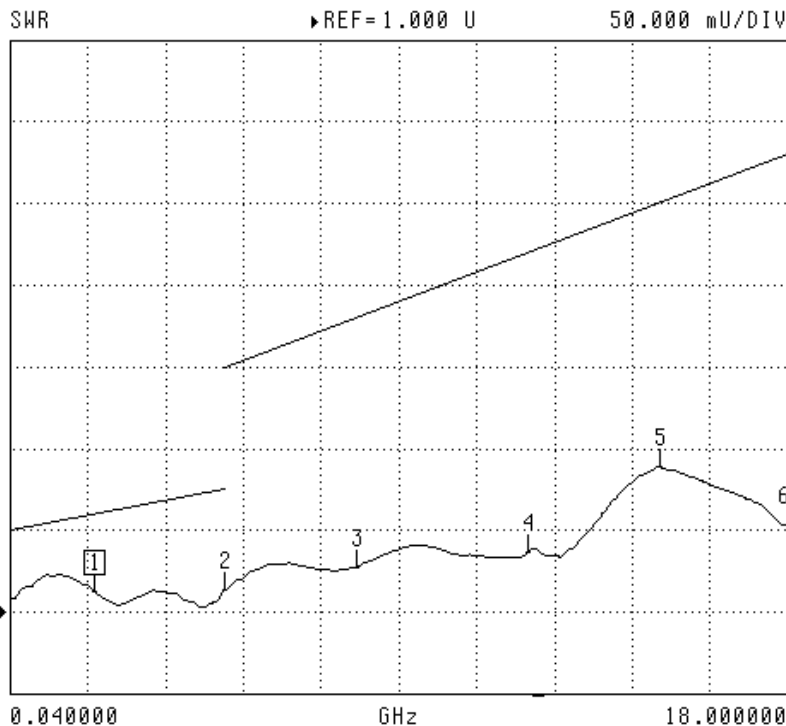
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.012 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.013 U

 3 8.032200 GHz
 1.027 U

 4 12.028300 GHz
 1.037 U

 5 15.036600 GHz
 1.089 U

 6 18.000000 GHz
 1.053 U

 MARKER READOUT
 FUNCTIONS

Sample 28

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

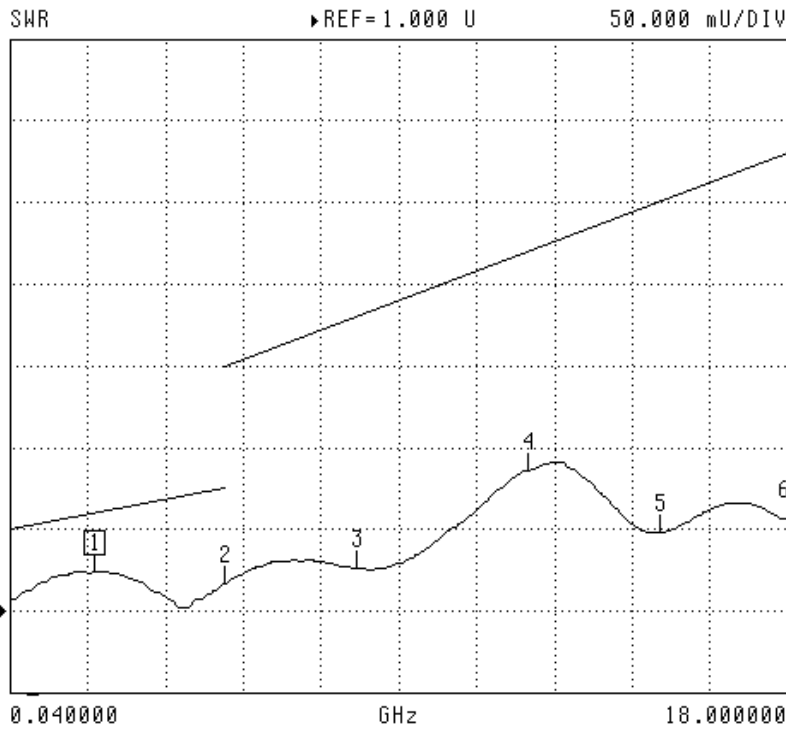
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.024 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.026 U

 4 12.028300 GHz
 1.086 U

 5 15.036600 GHz
 1.048 U

 6 18.000000 GHz
 1.056 U

 MARKER READOUT
 FUNCTIONS

Sample 29

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

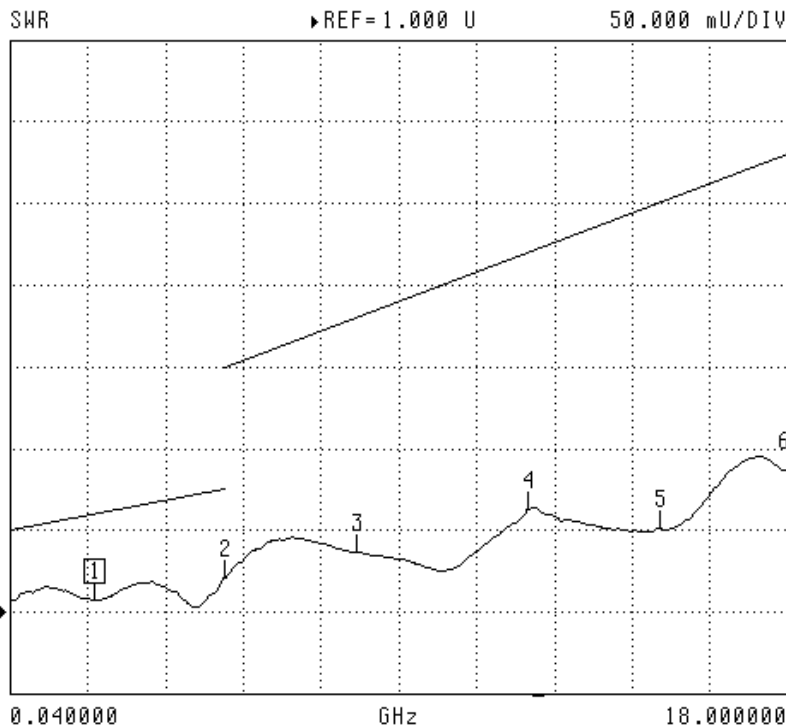
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.007 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.036 U

 4 12.028300 GHz
 1.062 U

 5 15.036600 GHz
 1.051 U

 6 18.000000 GHz
 1.087 U

 MARKER READOUT
 FUNCTIONS

Sample 30

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

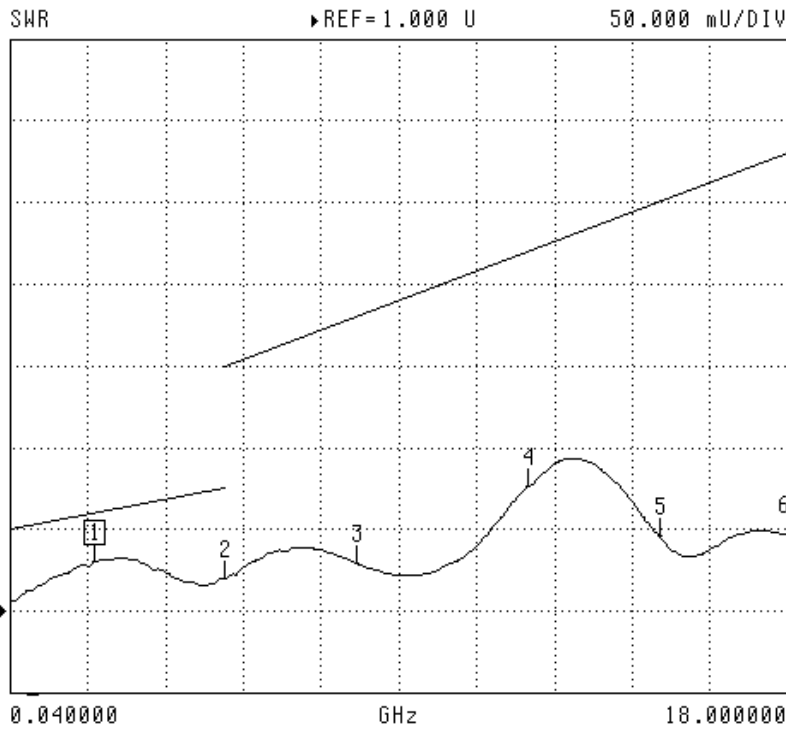
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.030 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.020 U

 3 8.032200 GHz
 1.029 U

 4 12.028300 GHz
 1.076 U

 5 15.036600 GHz
 1.046 U

 6 18.000000 GHz
 1.047 U

 MARKER READOUT
 FUNCTIONS

Sample 31

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

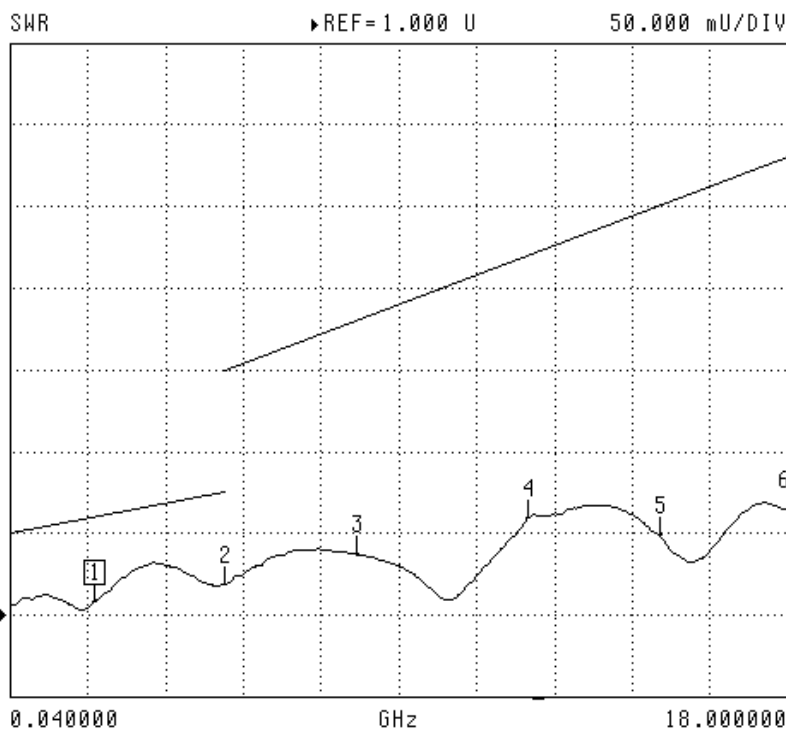
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.019 U

 3 8.032200 GHz
 1.037 U

 4 12.028300 GHz
 1.059 U

 5 15.036600 GHz
 1.049 U

 6 18.000000 GHz
 1.065 U

 MARKER READOUT
 FUNCTIONS

Sample 32

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

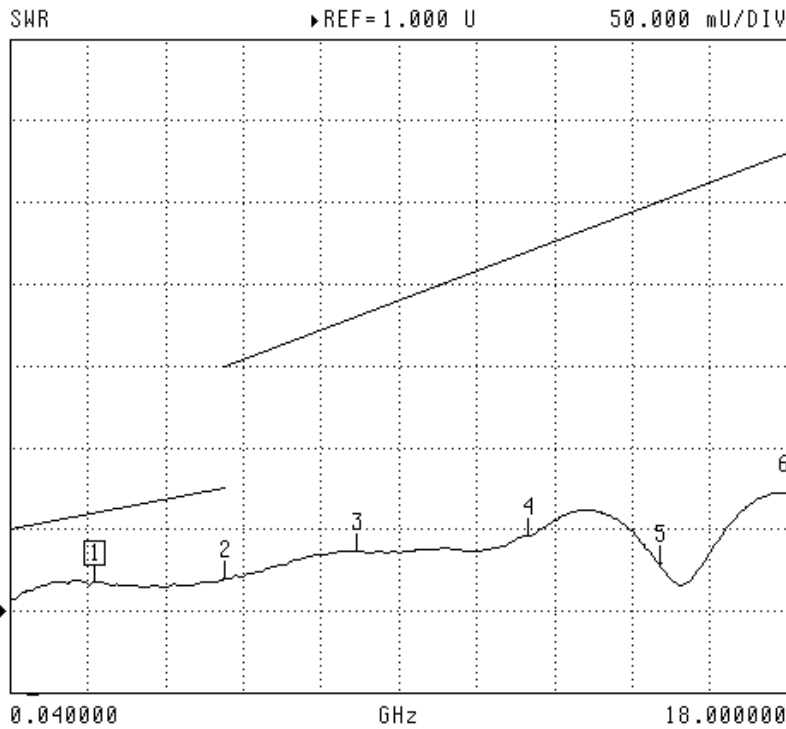
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.018 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.019 U

 3 8.032200 GHz
 1.036 U

 4 12.028300 GHz
 1.046 U

 5 15.036600 GHz
 1.029 U

 6 18.000000 GHz
 1.072 U

 MARKER READOUT
 FUNCTIONS

Sample 33

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

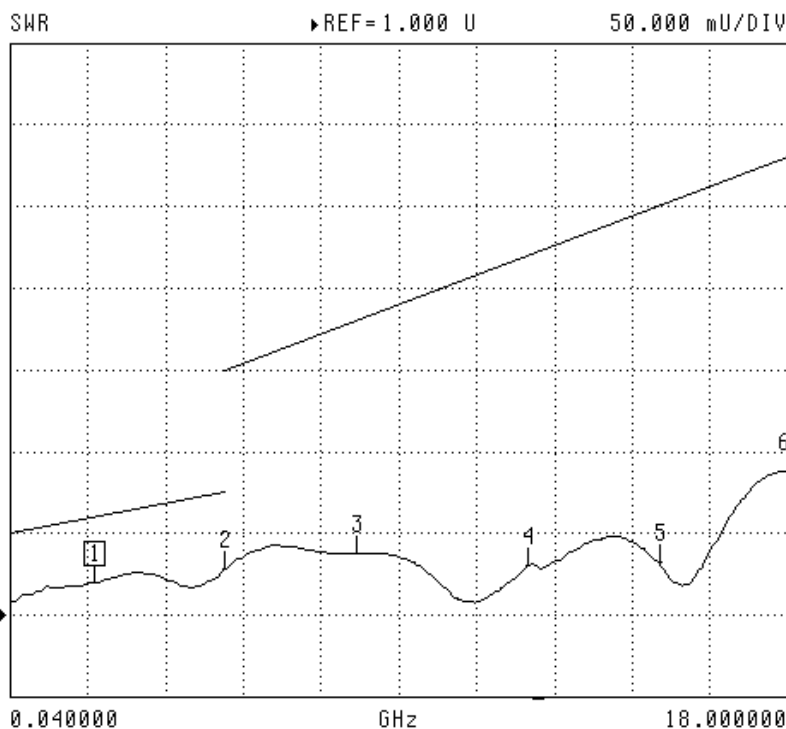
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.028 U

 3 8.032200 GHz
 1.037 U

 4 12.028300 GHz
 1.030 U

 5 15.036600 GHz
 1.032 U

 6 18.000000 GHz
 1.088 U

 MARKER READOUT
 FUNCTIONS

Sample 34

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

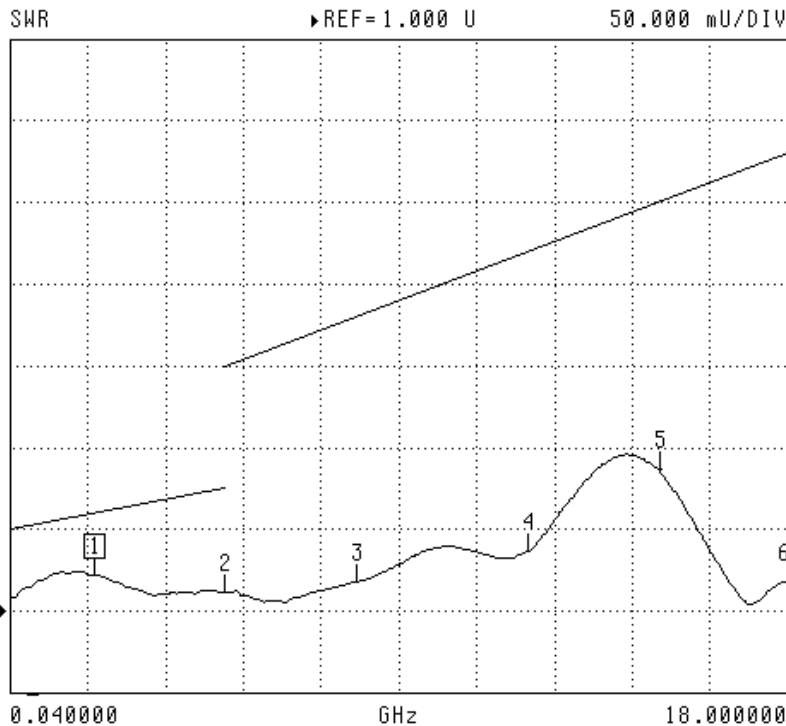
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.022 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.012 U

 3 8.032200 GHz
 1.018 U

 4 12.028300 GHz
 1.036 U

 5 15.036600 GHz
 1.086 U

 6 18.000000 GHz
 1.018 U

 MARKER READOUT
 FUNCTIONS

Sample 35

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

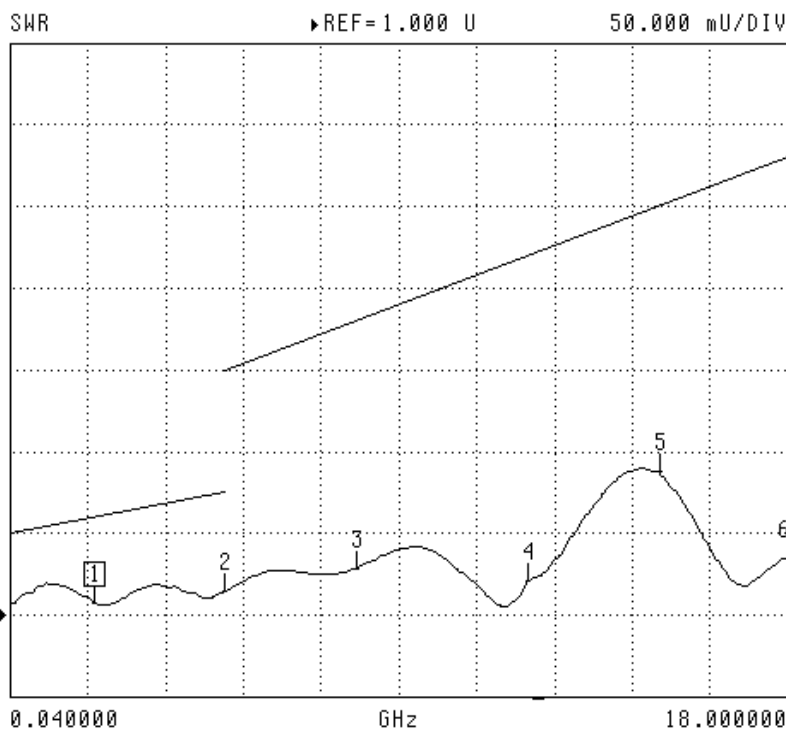
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.007 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.015 U

 3 8.032200 GHz
 1.029 U

 4 12.028300 GHz
 1.020 U

 5 15.036600 GHz
 1.087 U

 6 18.000000 GHz
 1.035 U

 MARKER READOUT
 FUNCTIONS

Sample 95

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

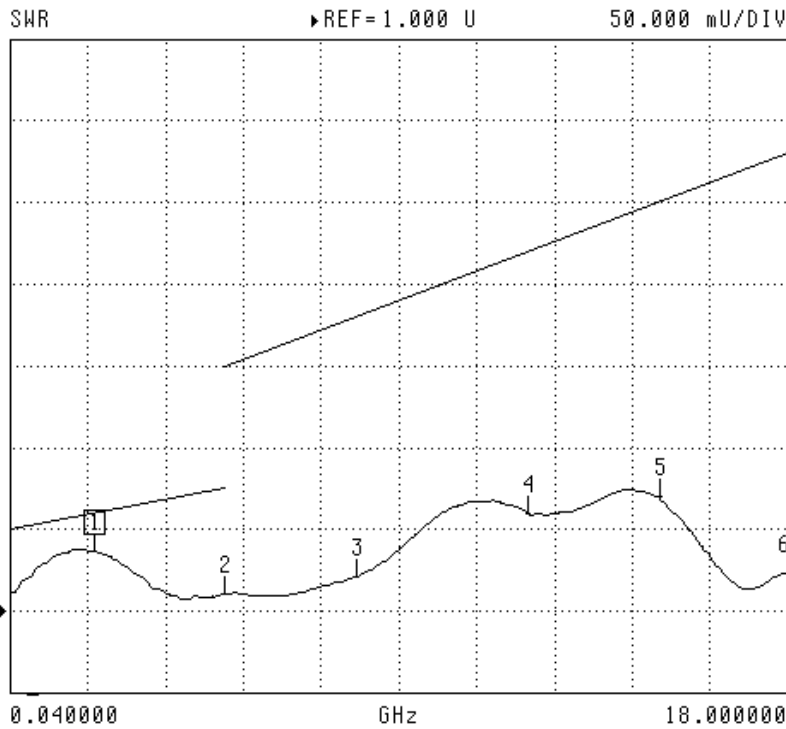
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.036 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.010 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.059 U

 5 15.036600 GHz
 1.070 U

 6 18.000000 GHz
 1.023 U

 MARKER READOUT
 FUNCTIONS

Sample 96

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

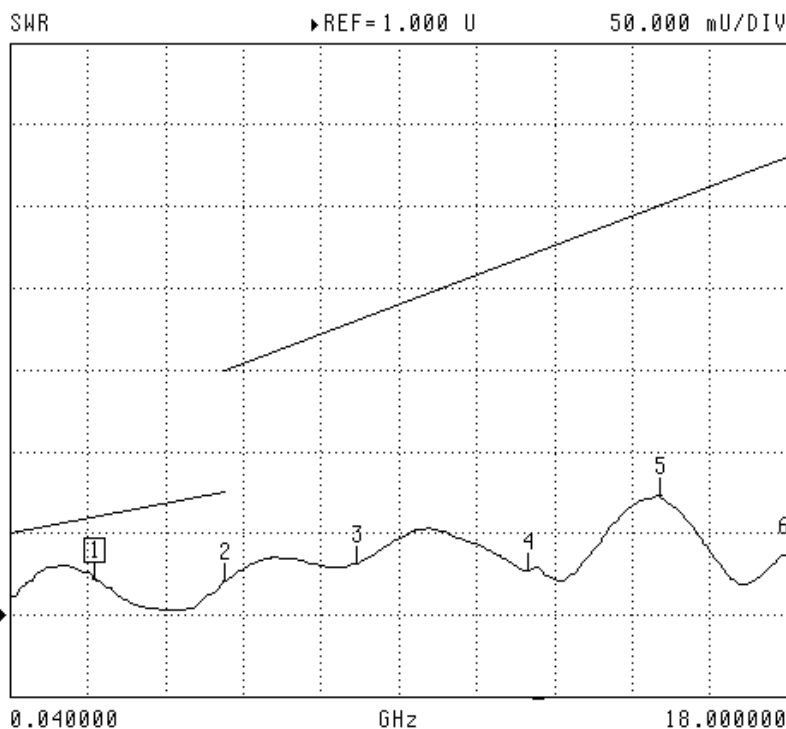
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.022 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.031 U

 4 12.028300 GHz
 1.027 U

 5 15.036600 GHz
 1.073 U

 6 18.000000 GHz
 1.036 U

 MARKER READOUT
 FUNCTIONS

Sample 97

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

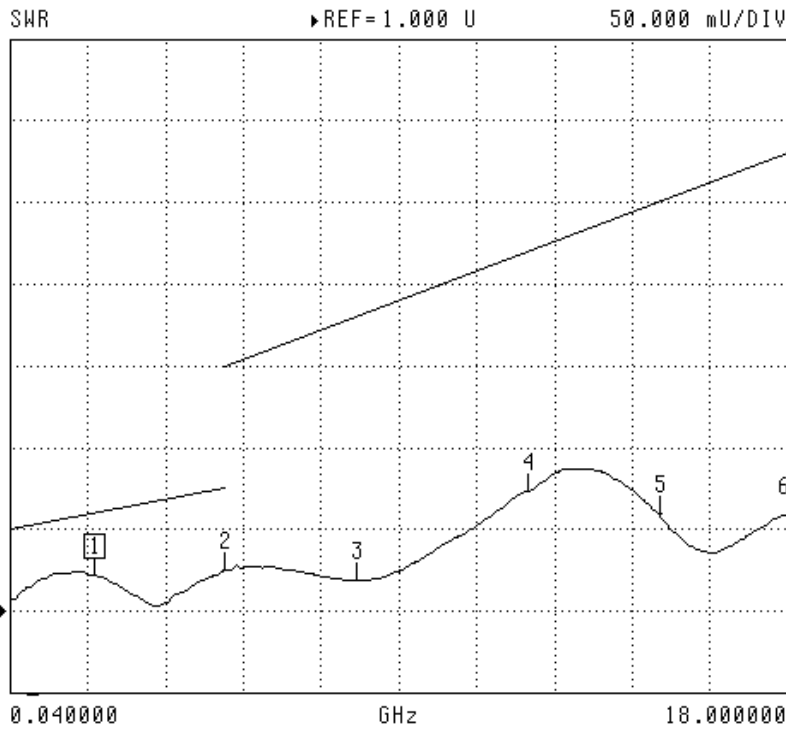
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.022 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.024 U

 3 8.032200 GHz
 1.019 U

 4 12.028300 GHz
 1.073 U

 5 15.036600 GHz
 1.060 U

 6 18.000000 GHz
 1.058 U

 MARKER READOUT
 FUNCTIONS

Sample 98

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

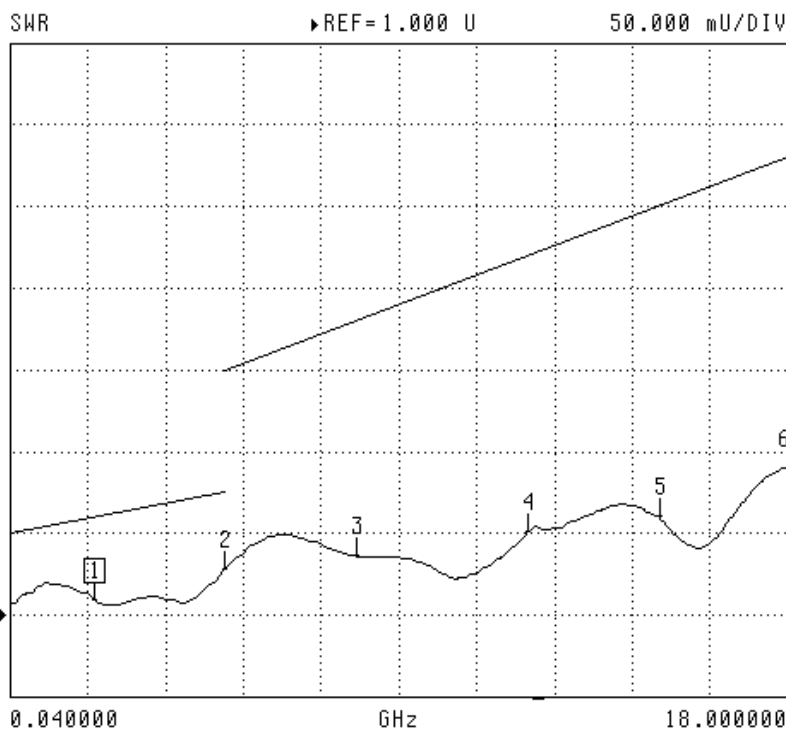
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.028 U

 3 8.032200 GHz
 1.036 U

 4 12.028300 GHz
 1.051 U

 5 15.036600 GHz
 1.060 U

 6 18.000000 GHz
 1.089 U

 MARKER READOUT
 FUNCTIONS

Sample 99

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

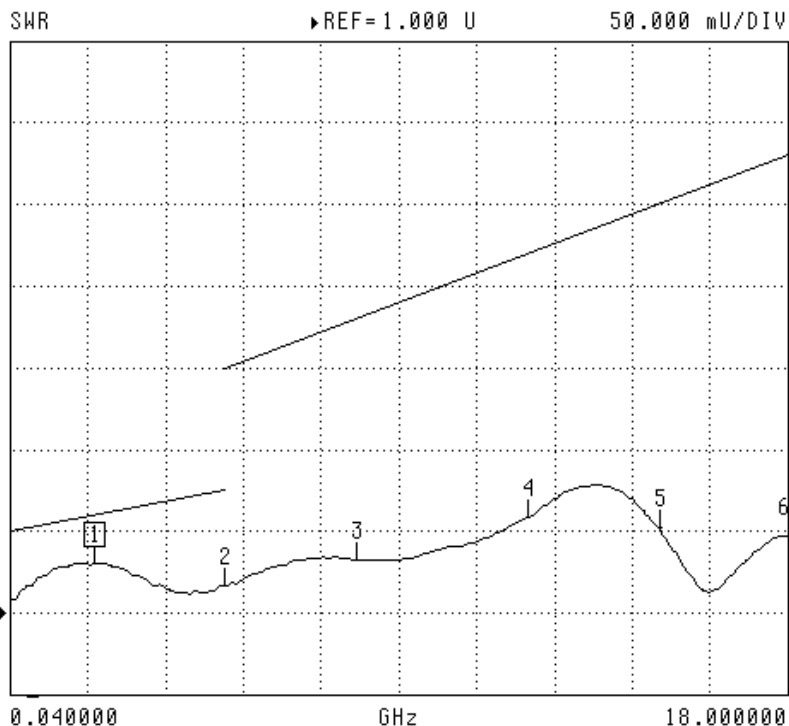
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.031 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.016 U

 3 8.032200 GHz
 1.033 U

 4 12.028300 GHz
 1.059 U

 5 15.036600 GHz
 1.052 U

 6 18.000000 GHz
 1.047 U

 MARKER READOUT
 FUNCTIONS

Sample 100

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

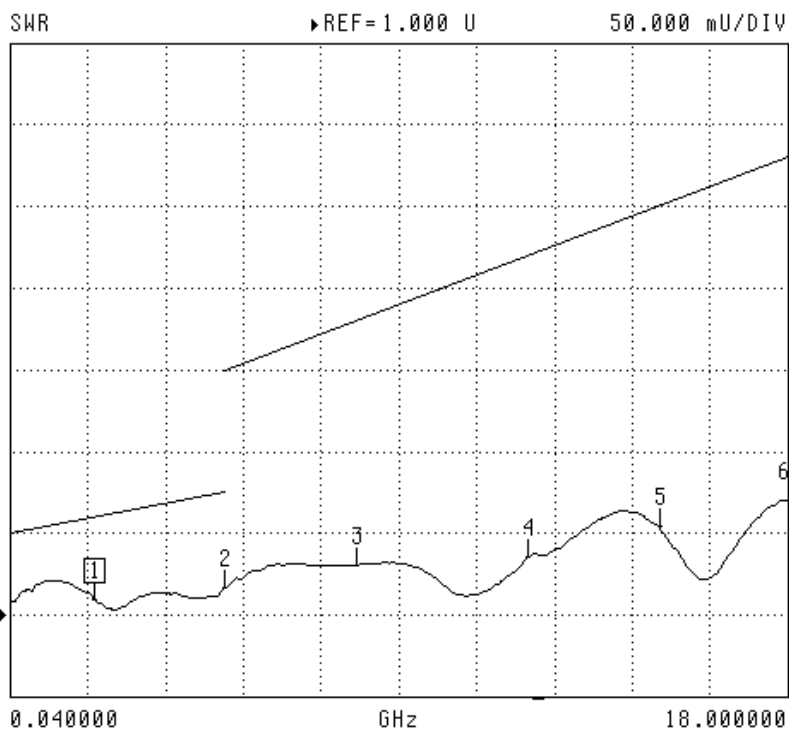
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.030 U

 4 12.028300 GHz
 1.036 U

 5 15.036600 GHz
 1.054 U

 6 18.000000 GHz
 1.070 U

 MARKER READOUT
 FUNCTIONS

Sample 101

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

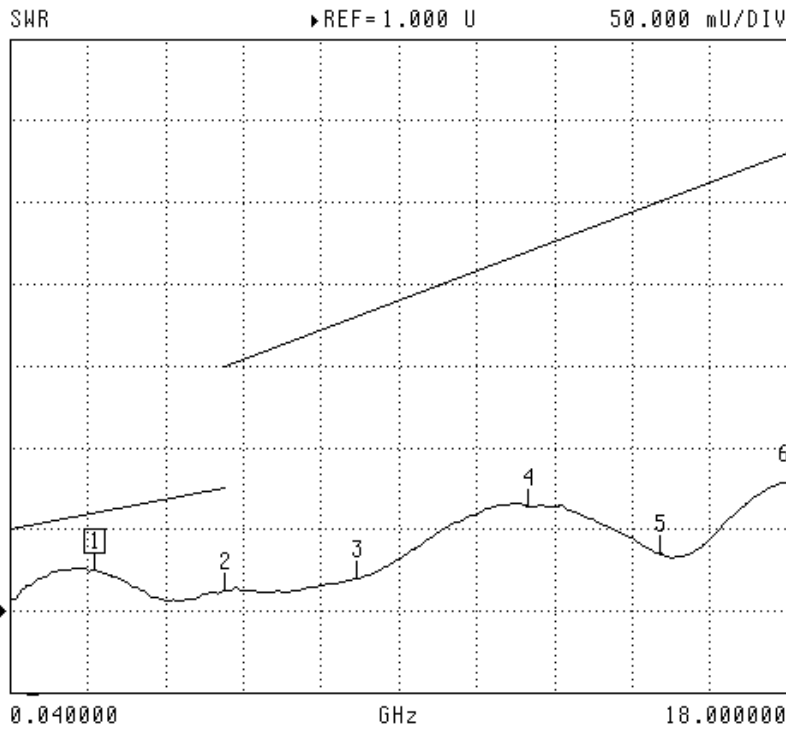
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.025 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.012 U

 3 8.032200 GHz
 1.020 U

 4 12.028300 GHz
 1.064 U

 5 15.036600 GHz
 1.035 U

 6 18.000000 GHz
 1.078 U

 MARKER READOUT
 FUNCTIONS

Sample 102

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

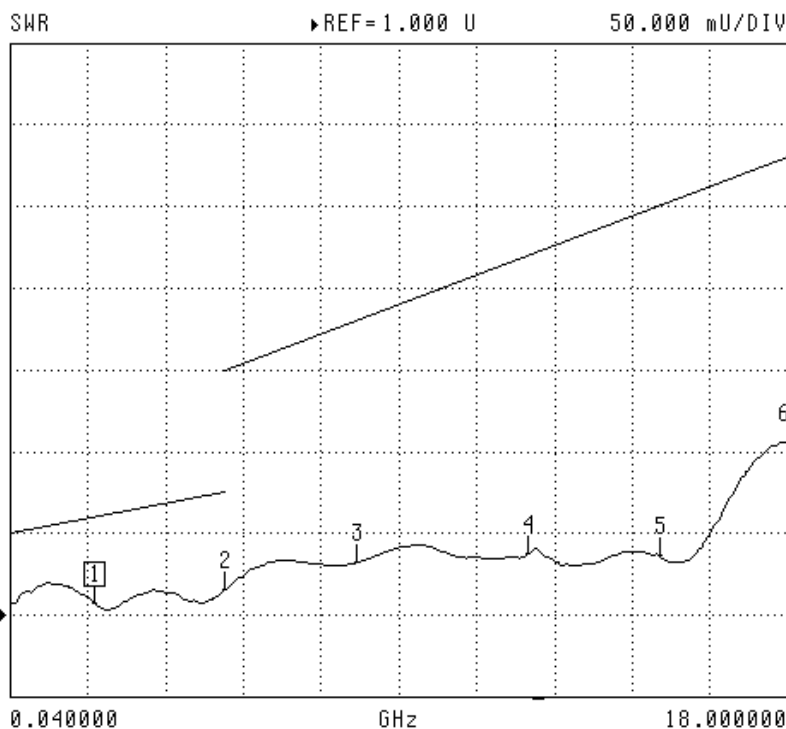
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.007 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.016 U

 3 8.032200 GHz
 1.032 U

 4 12.028300 GHz
 1.038 U

 5 15.036600 GHz
 1.037 U

 6 18.000000 GHz
 1.106 U

 MARKER READOUT
 FUNCTIONS

Sample 103

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

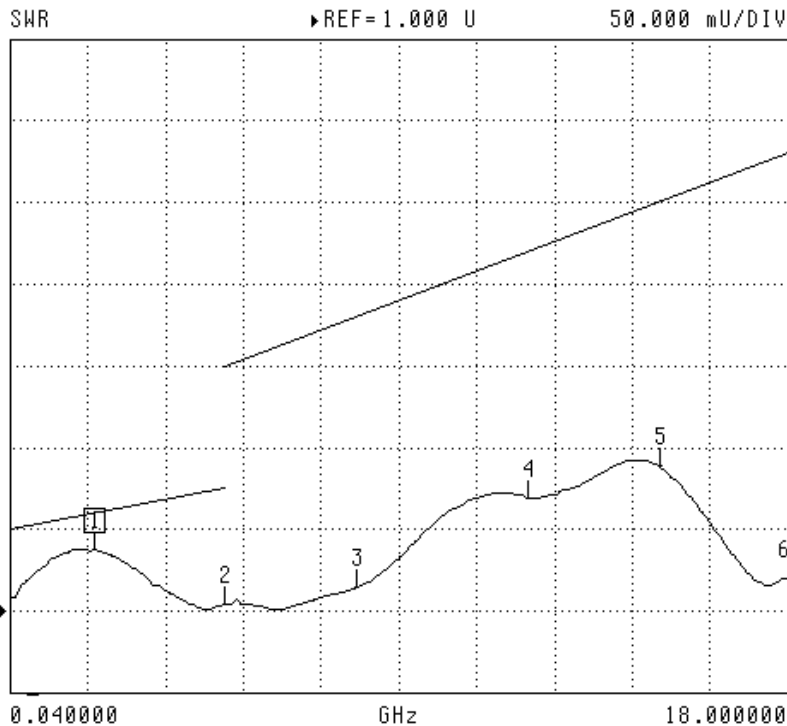
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.037 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.004 U

 3 8.032200 GHz
 1.014 U

 4 12.028300 GHz
 1.069 U

 5 15.036600 GHz
 1.089 U

 6 18.000000 GHz
 1.020 U

 MARKER READOUT
 FUNCTIONS

Sample 104

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

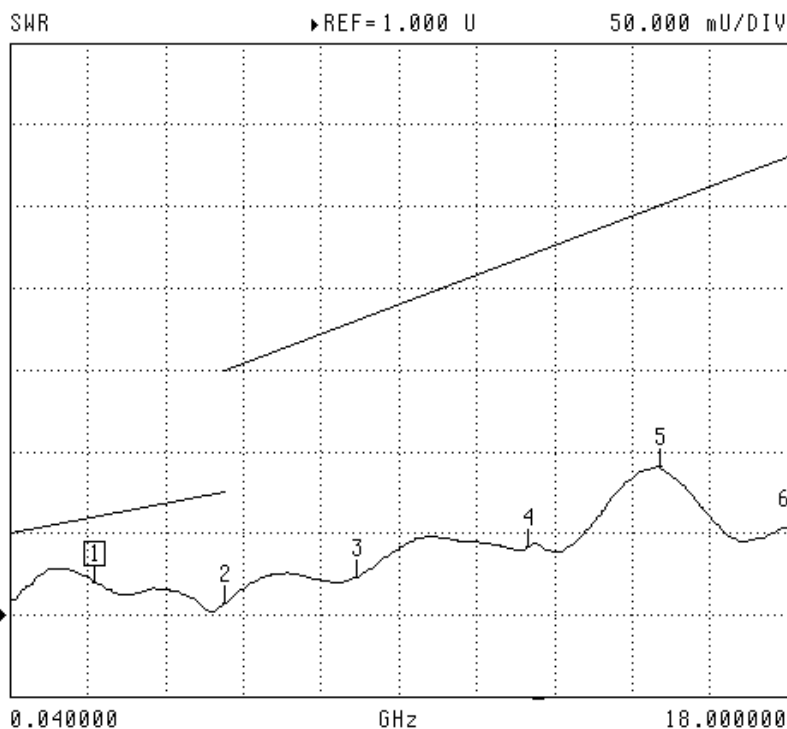
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.007 U

 3 8.032200 GHz
 1.023 U

 4 12.028300 GHz
 1.041 U

 5 15.036600 GHz
 1.091 U

 6 18.000000 GHz
 1.053 U

 MARKER READOUT
 FUNCTIONS

Sample 105

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

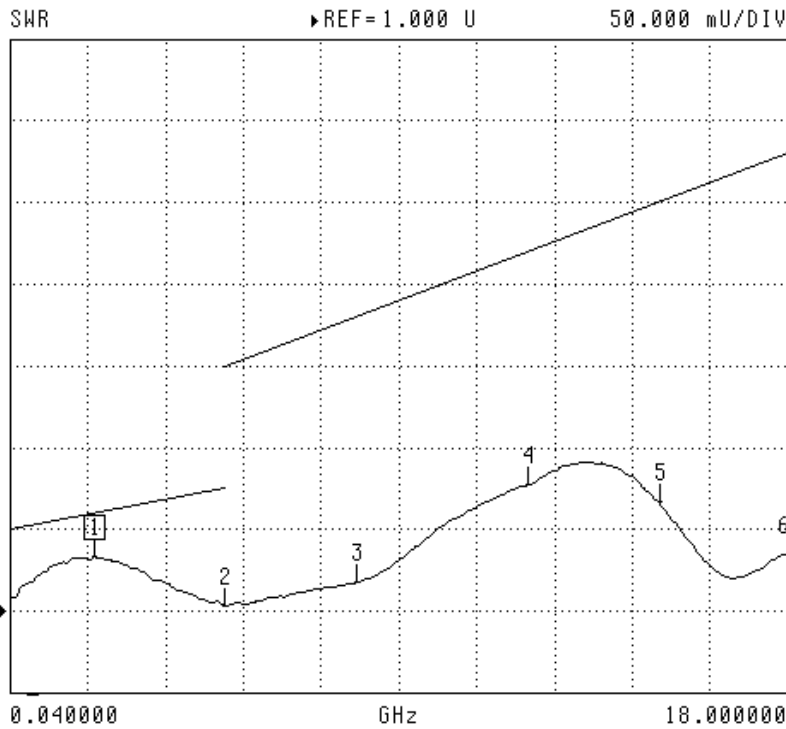
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.033 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.003 U

 3 8.032200 GHz
 1.017 U

 4 12.028300 GHz
 1.077 U

 5 15.036600 GHz
 1.066 U

 6 18.000000 GHz
 1.034 U

 MARKER READOUT
 FUNCTIONS

Sample 106

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

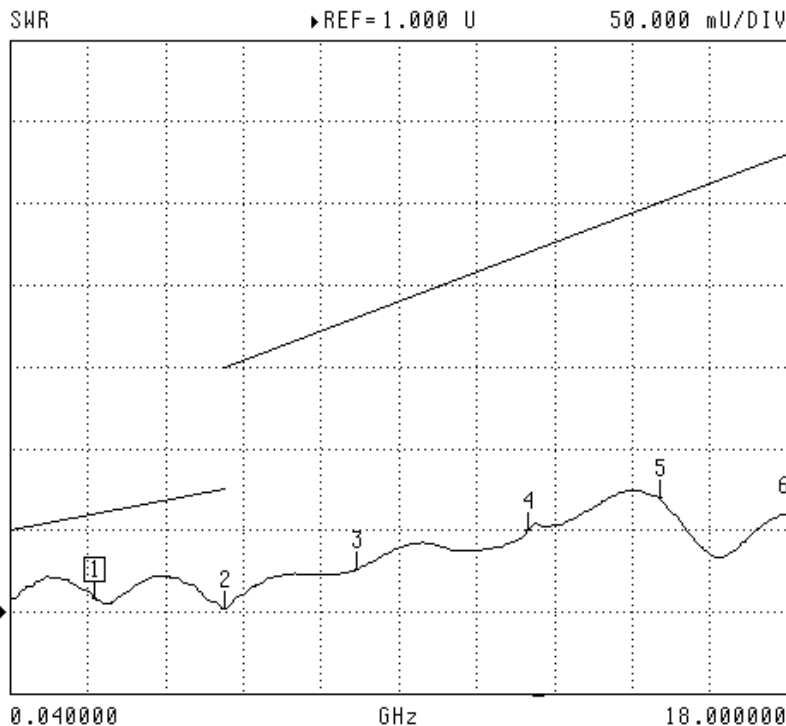
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.002 U

 3 8.032200 GHz
 1.026 U

 4 12.028300 GHz
 1.050 U

 5 15.036600 GHz
 1.070 U

 6 18.000000 GHz
 1.059 U

 MARKER READOUT
 FUNCTIONS

Sample 107

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

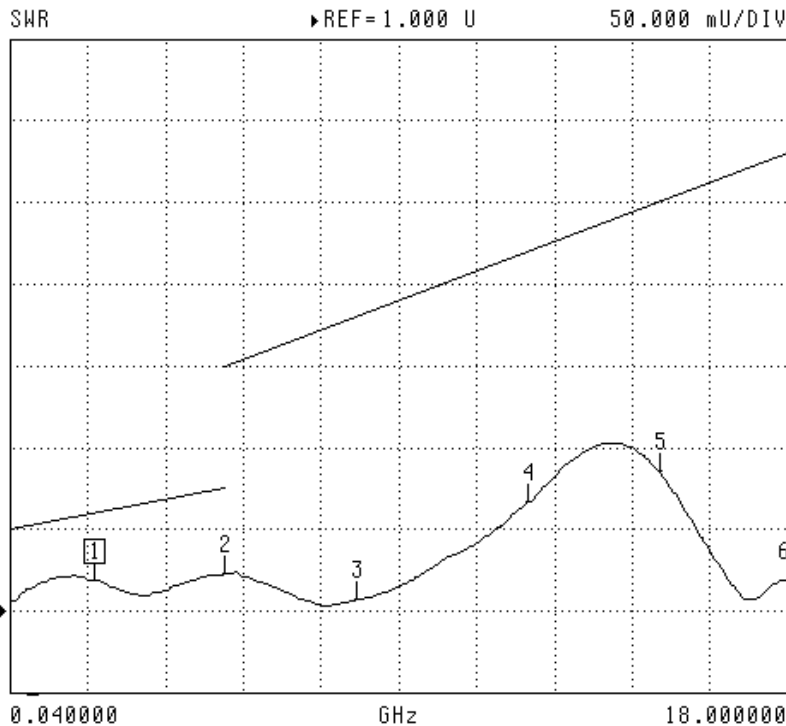
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.019 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.007 U

 4 12.028300 GHz
 1.066 U

 5 15.036600 GHz
 1.086 U

 6 18.000000 GHz
 1.019 U

 MARKER READOUT
 FUNCTIONS

Sample 108

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

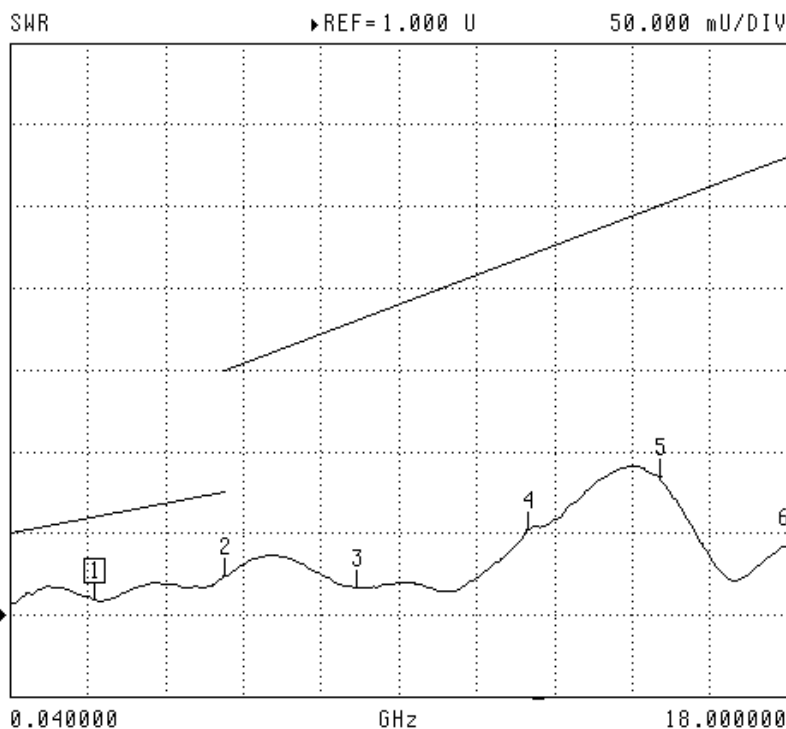
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.024 U

 3 8.032200 GHz
 1.016 U

 4 12.028300 GHz
 1.052 U

 5 15.036600 GHz
 1.084 U

 6 18.000000 GHz
 1.042 U

 MARKER READOUT
 FUNCTIONS

Sample 109

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

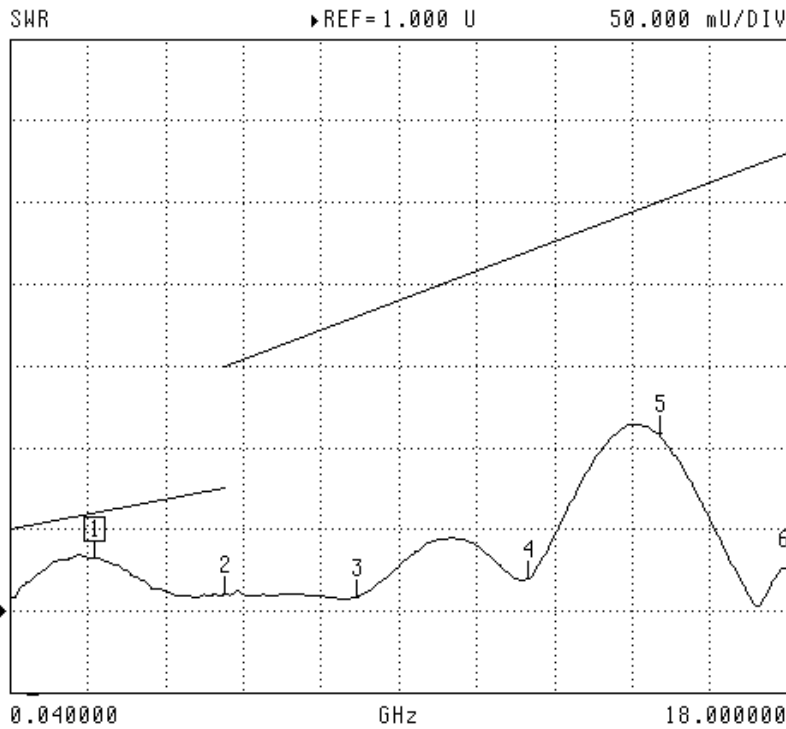
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.032 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.010 U

 3 8.032200 GHz
 1.009 U

 4 12.028300 GHz
 1.020 U

 5 15.036600 GHz
 1.108 U

 6 18.000000 GHz
 1.026 U

 MARKER READOUT
 FUNCTIONS

Sample 110

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

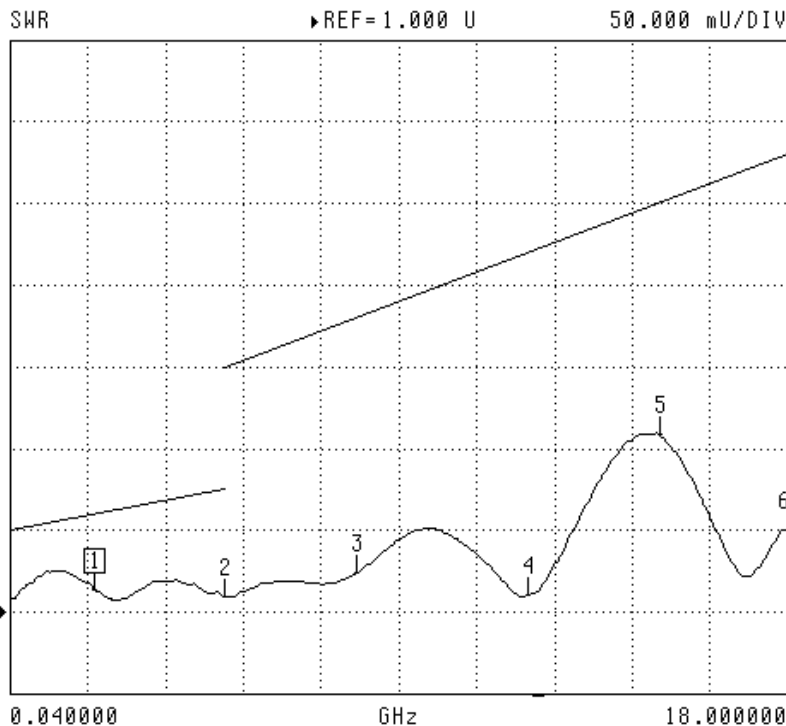
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.014 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.009 U

 3 8.032200 GHz
 1.023 U

 4 12.028300 GHz
 1.011 U

 5 15.036600 GHz
 1.109 U

 6 18.000000 GHz
 1.050 U

 MARKER READOUT
 FUNCTIONS

Sample 111

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

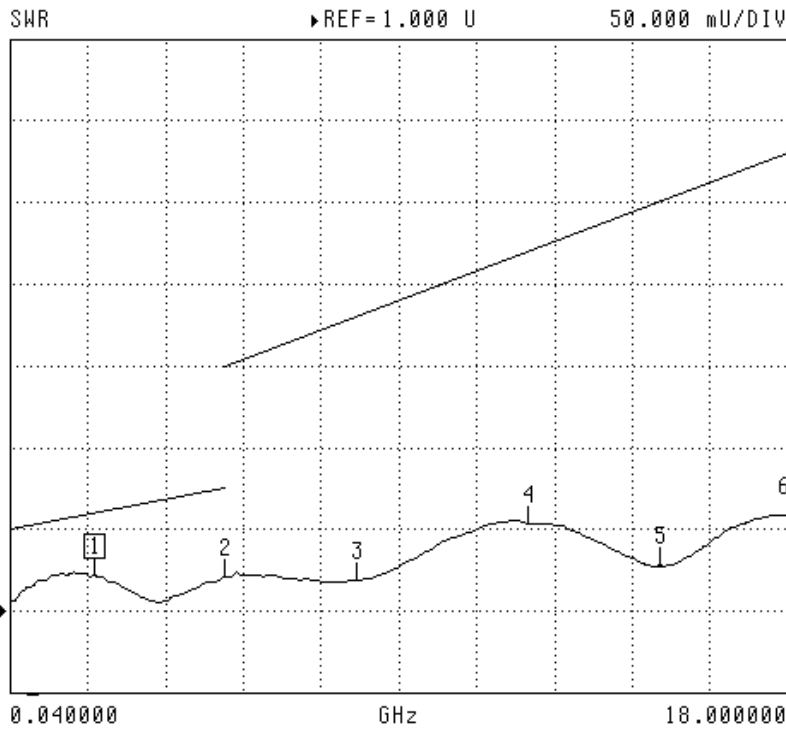
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.018 U

 4 12.028300 GHz
 1.053 U

 5 15.036600 GHz
 1.028 U

 6 18.000000 GHz
 1.058 U

 MARKER READOUT
 FUNCTIONS

Sample 112

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

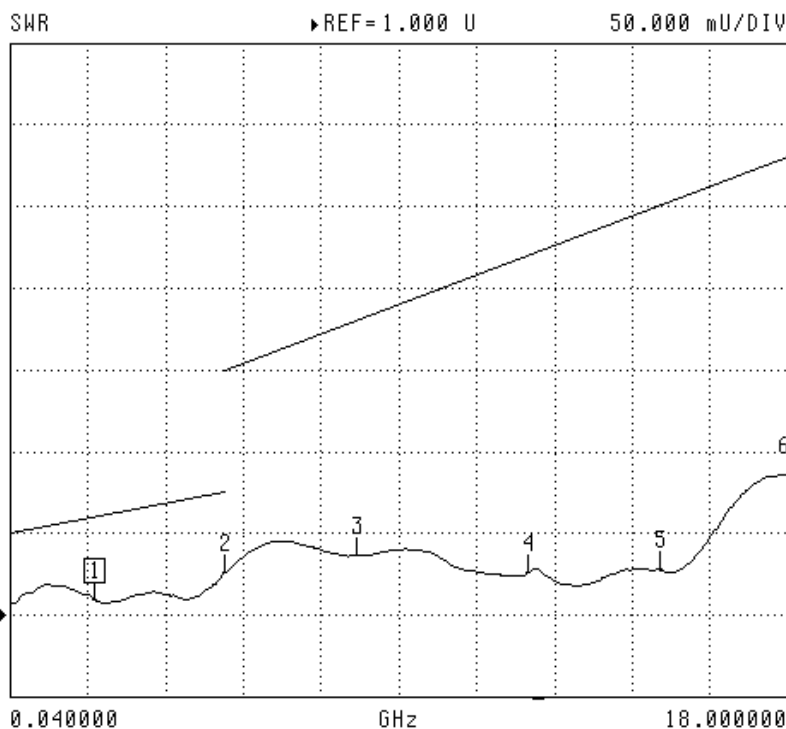
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.036 U

 4 12.028300 GHz
 1.026 U

 5 15.036600 GHz
 1.028 U

 6 18.000000 GHz
 1.086 U

 MARKER READOUT
 FUNCTIONS

Sample 113

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

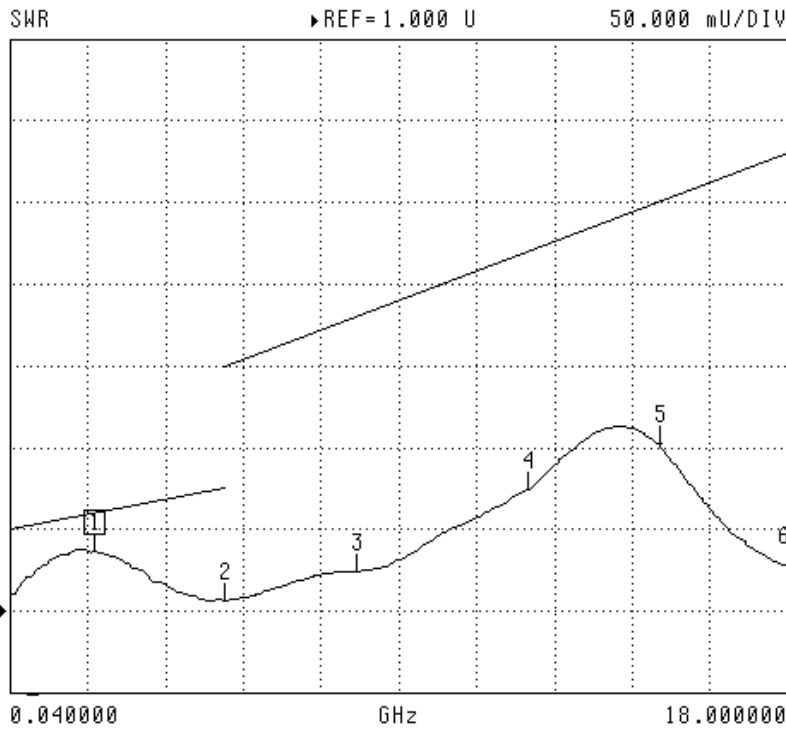
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.036 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.006 U

 3 8.032200 GHz
 1.024 U

 4 12.028300 GHz
 1.074 U

 5 15.036600 GHz
 1.102 U

 6 18.000000 GHz
 1.028 U

 MARKER READOUT
 FUNCTIONS

Sample 114

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

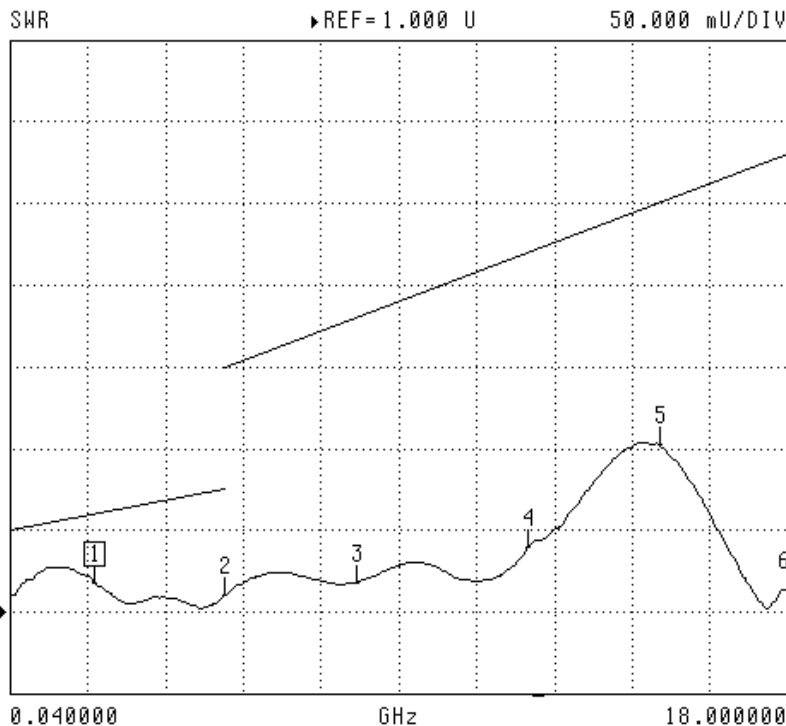
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.018 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.011 U

 3 8.032200 GHz
 1.018 U

 4 12.028300 GHz
 1.039 U

 5 15.036600 GHz
 1.103 U

 6 18.000000 GHz
 1.013 U

 MARKER READOUT
 FUNCTIONS

Sample 115

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

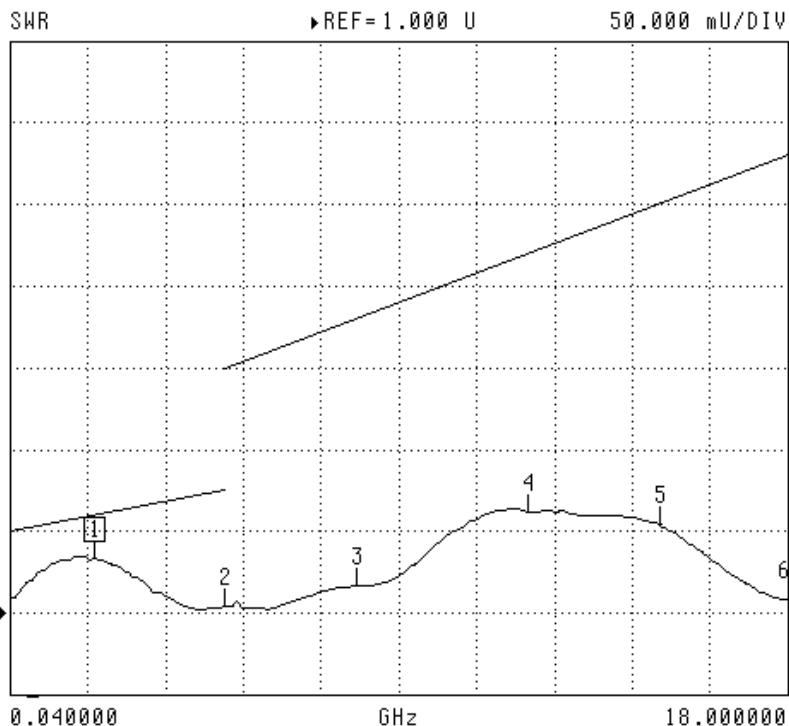
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.033 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.004 U

 3 8.032200 GHz
 1.016 U

 4 12.028300 GHz
 1.062 U

 5 15.036600 GHz
 1.055 U

 6 18.000000 GHz
 1.008 U

 MARKER READOUT
 FUNCTIONS

Sample 116

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

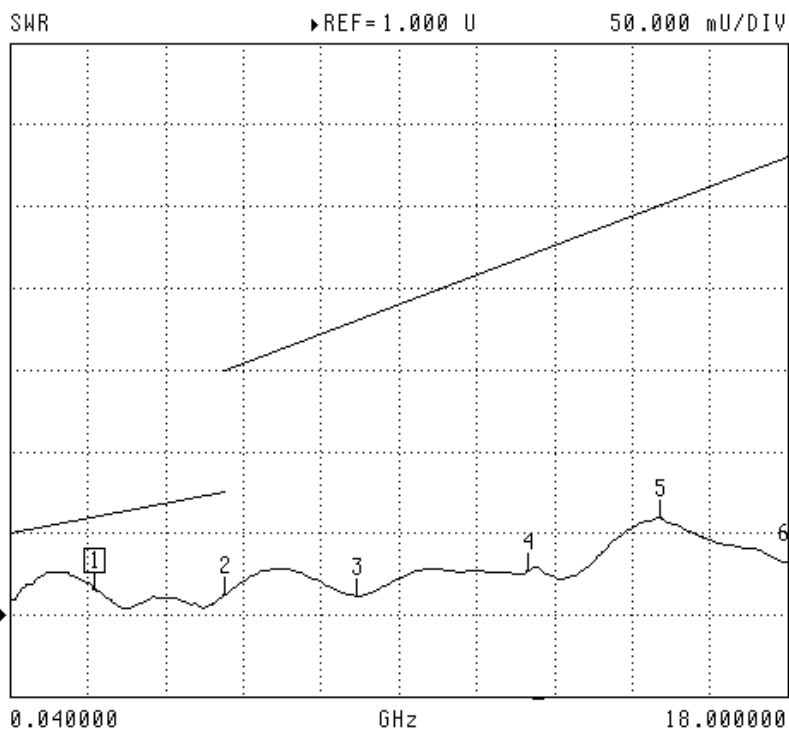
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.016 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.013 U

 3 8.032200 GHz
 1.012 U

 4 12.028300 GHz
 1.027 U

 5 15.036600 GHz
 1.060 U

 6 18.000000 GHz
 1.032 U

 MARKER READOUT
 FUNCTIONS

Sample 117

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

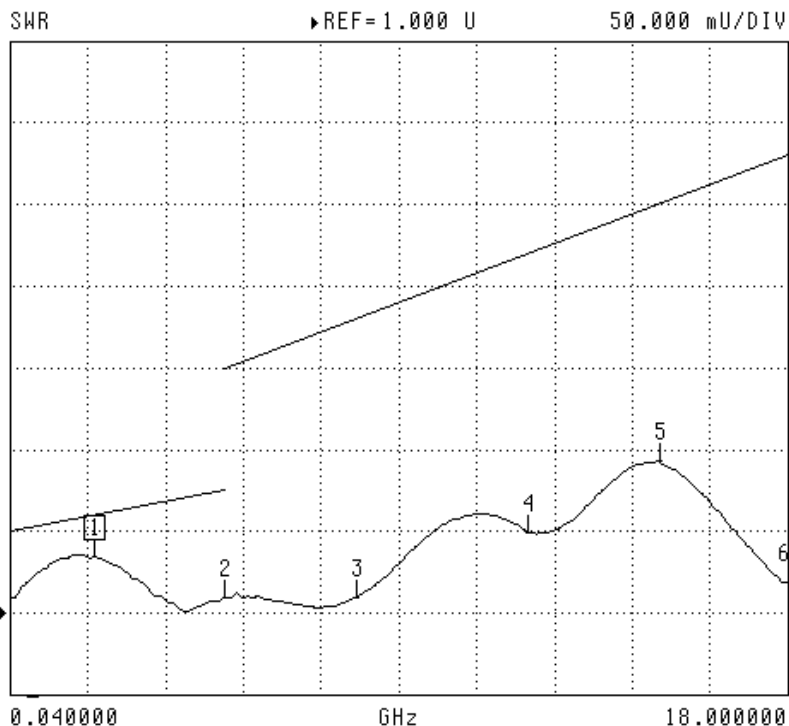
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.034 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.009 U

 3 8.032200 GHz
 1.009 U

 4 12.028300 GHz
 1.049 U

 5 15.036600 GHz
 1.093 U

 6 18.000000 GHz
 1.019 U

 MARKER READOUT
 FUNCTIONS

Sample 118

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

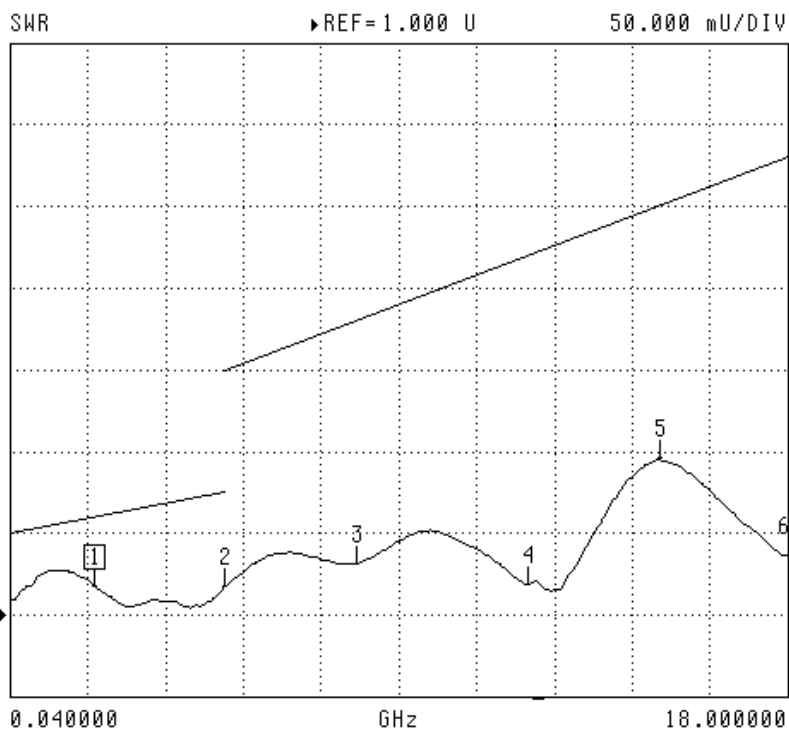
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / After thermal shock

07/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.017 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.031 U

 4 12.028300 GHz
 1.019 U

 5 15.036600 GHz
 1.096 U

 6 18.000000 GHz
 1.037 U

 MARKER READOUT
 FUNCTIONS

Sample 119

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

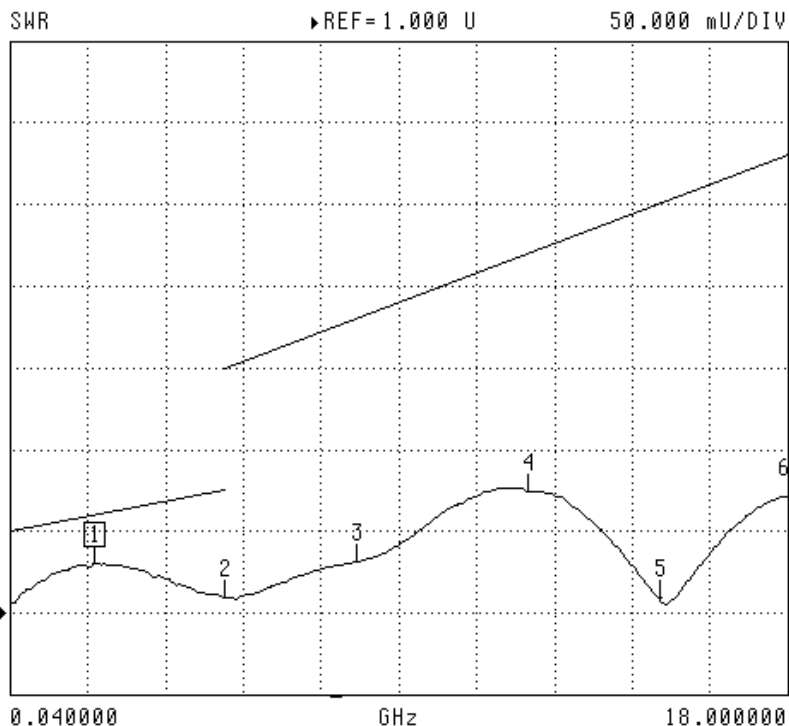
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.030 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.009 U

 3 8.032200 GHz
 1.031 U

 4 12.028300 GHz
 1.074 U

 5 15.036600 GHz
 1.009 U

 6 18.000000 GHz
 1.071 U

 MARKER READOUT
 FUNCTIONS

Sample 1

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

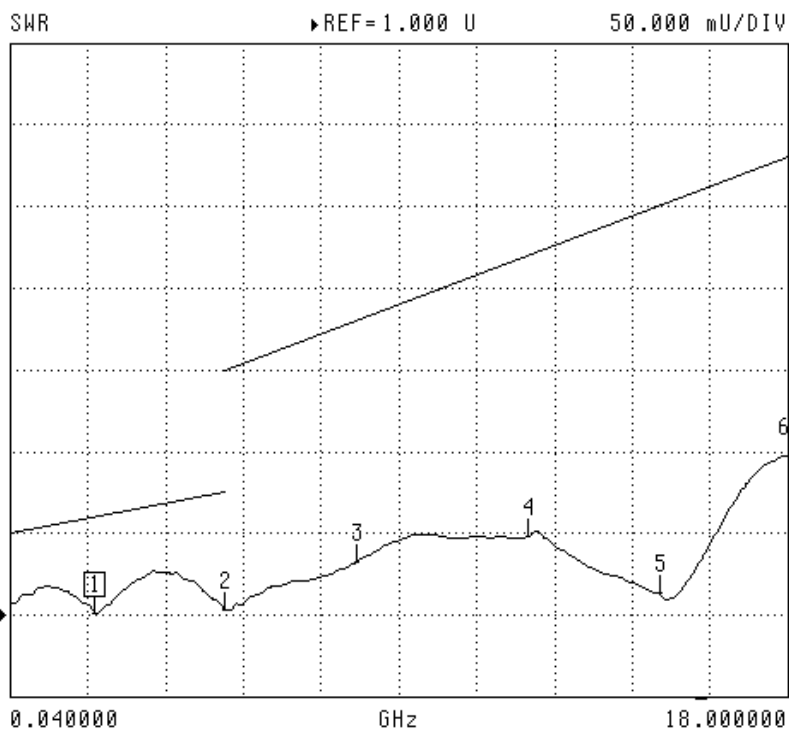
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.001 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.003 U

 3 8.032200 GHz
 1.032 U

 4 12.028300 GHz
 1.048 U

 5 15.036600 GHz
 1.013 U

 6 18.000000 GHz
 1.097 U

 MARKER READOUT
 FUNCTIONS

Sample 2

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

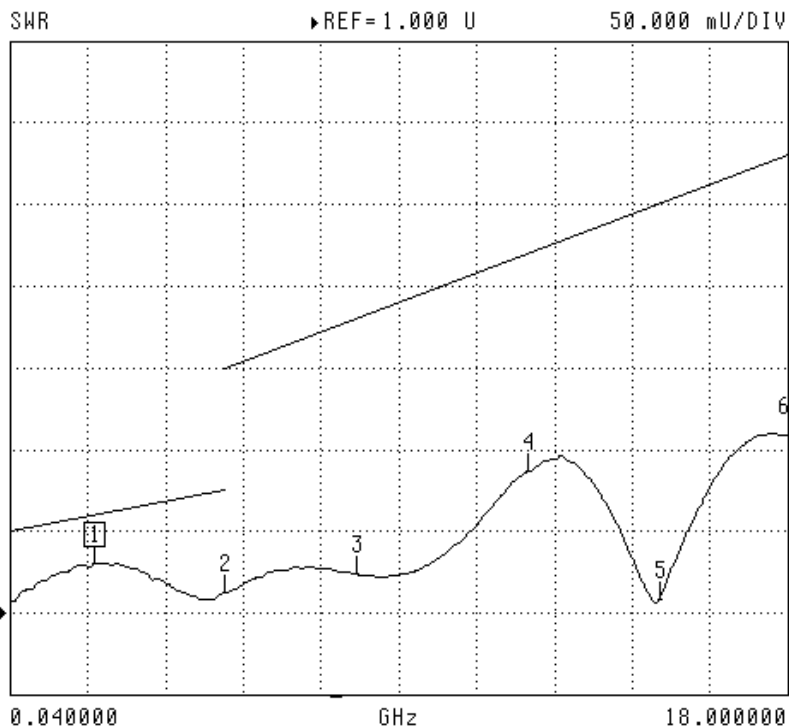
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.030 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.012 U

 3 8.032200 GHz
 1.024 U

 4 12.028300 GHz
 1.087 U

 5 15.036600 GHz
 1.008 U

 6 18.000000 GHz
 1.109 U

 MARKER READOUT
 FUNCTIONS

Sample 3

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

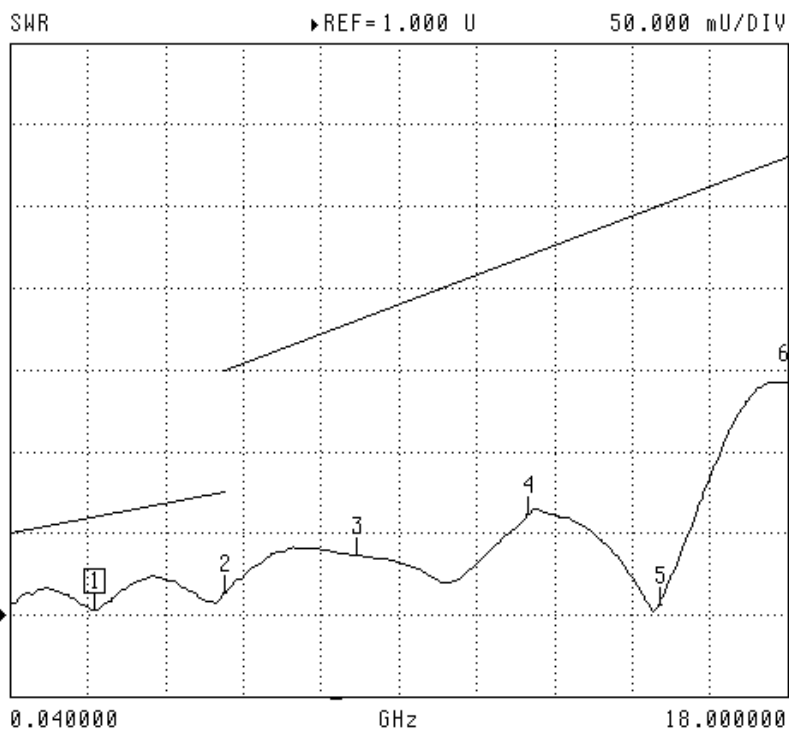
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.003 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.014 U

 3 8.032200 GHz
 1.036 U

 4 12.028300 GHz
 1.061 U

 5 15.036600 GHz
 1.007 U

 6 18.000000 GHz
 1.142 U

 MARKER READOUT
 FUNCTIONS

Sample 4

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

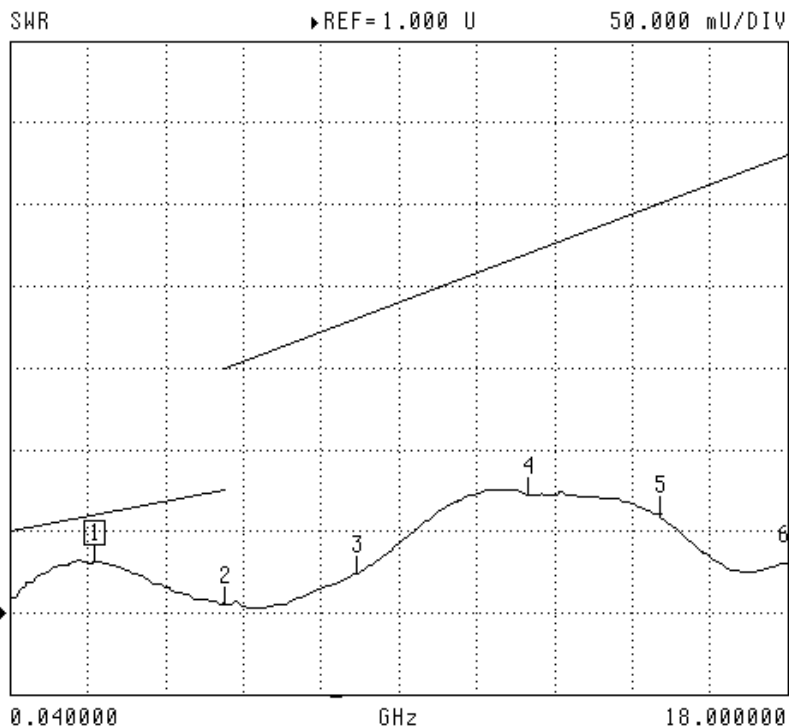
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.031 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.005 U

 3 8.032200 GHz
 1.024 U

 4 12.028300 GHz
 1.072 U

 5 15.036600 GHz
 1.060 U

 6 18.000000 GHz
 1.030 U

 MARKER READOUT
 FUNCTIONS

Sample 5

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

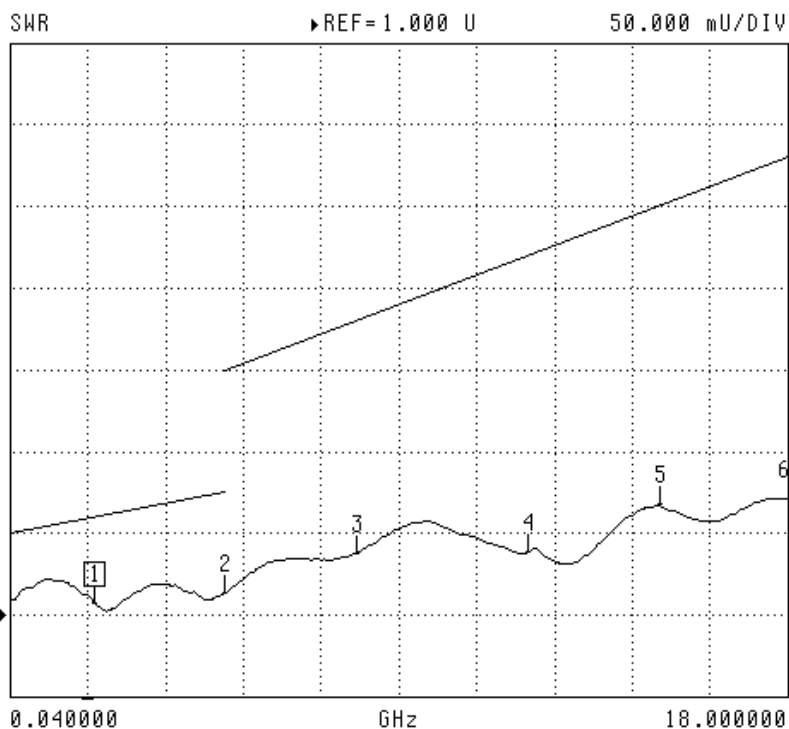
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.007 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.014 U

 3 8.032200 GHz
 1.038 U

 4 12.028300 GHz
 1.038 U

 5 15.036600 GHz
 1.067 U

 6 18.000000 GHz
 1.071 U

 MARKER READOUT
 FUNCTIONS

Sample 6

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

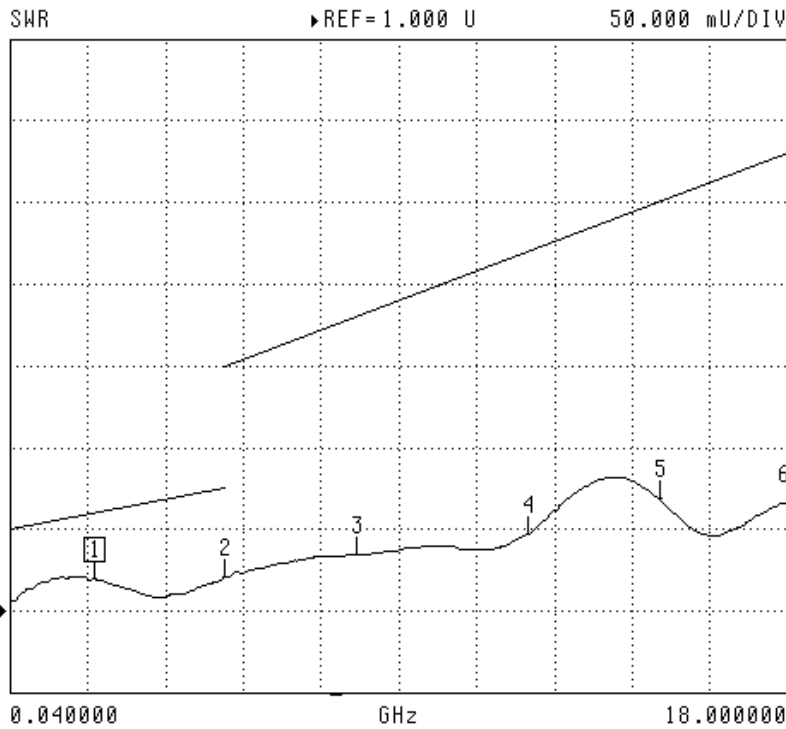
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.019 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.035 U

 4 12.028300 GHz
 1.047 U

 5 15.036600 GHz
 1.069 U

 6 18.000000 GHz
 1.066 U

 MARKER READOUT
 FUNCTIONS

Sample 7

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

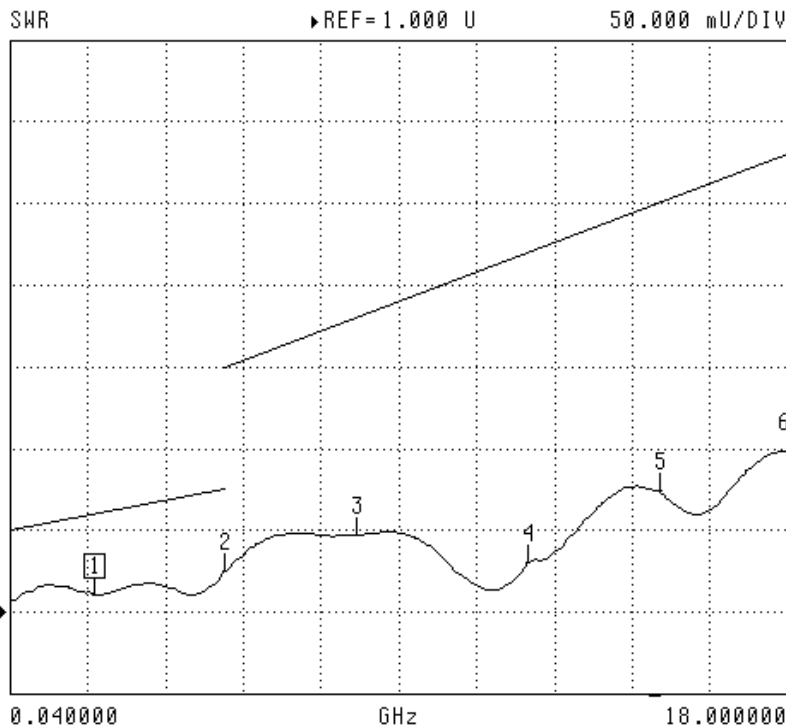
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.025 U

 3 8.032200 GHz
 1.047 U

 4 12.028300 GHz
 1.030 U

 5 15.036600 GHz
 1.074 U

 6 18.000000 GHz
 1.098 U

 MARKER READOUT
 FUNCTIONS

Sample 8

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

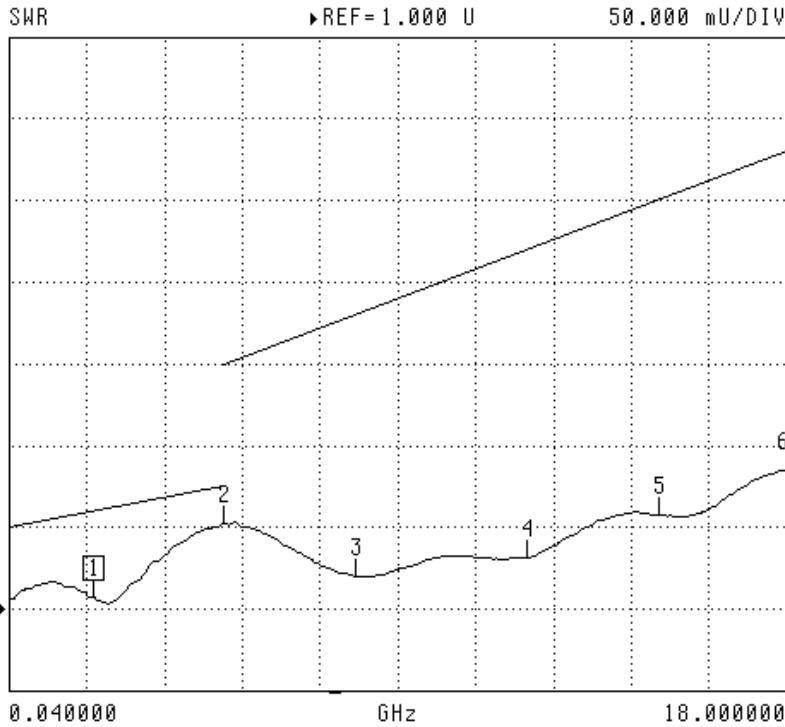
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.007 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.052 U

 3 8.032200 GHz
 1.020 U

 4 12.028300 GHz
 1.031 U

 5 15.036600 GHz
 1.058 U

 6 18.000000 GHz
 1.084 U

 MARKER READOUT
 FUNCTIONS

Sample 9

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

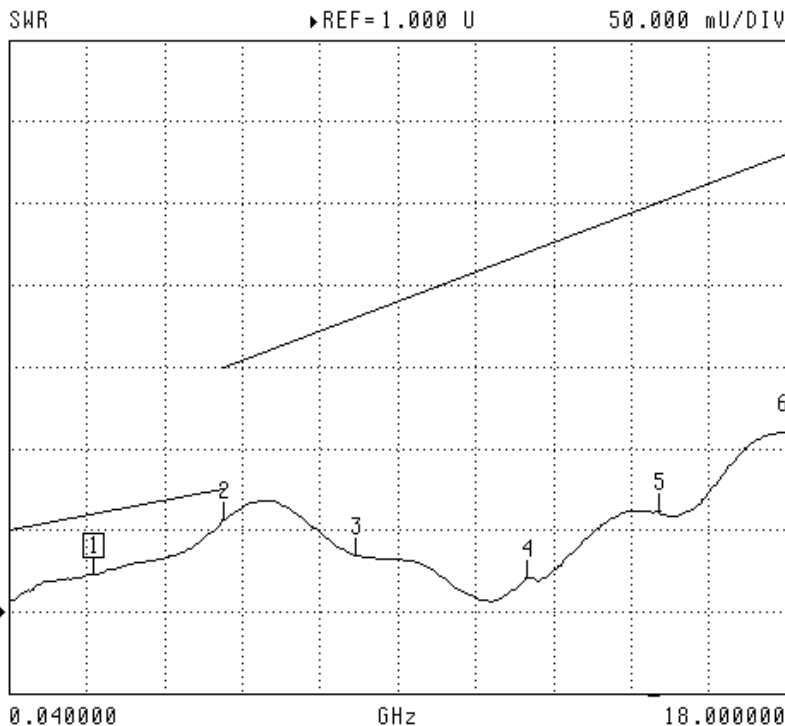
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.023 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.056 U

 3 8.032200 GHz
 1.035 U

 4 12.028300 GHz
 1.020 U

 5 15.036600 GHz
 1.061 U

 6 18.000000 GHz
 1.110 U

 MARKER READOUT
 FUNCTIONS

Sample 10

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

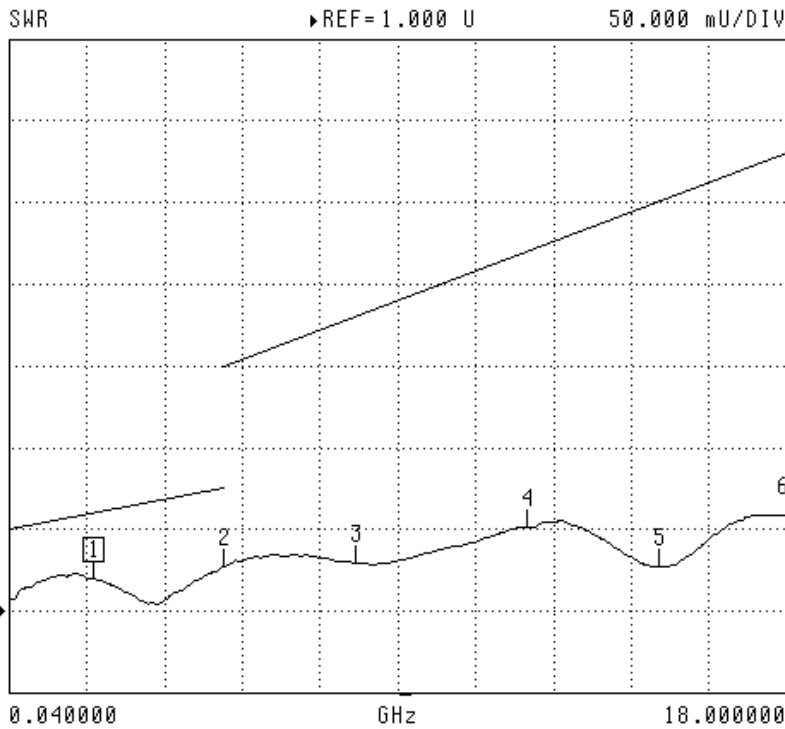
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.027 U

 3 8.032200 GHz
 1.029 U

 4 12.028300 GHz
 1.051 U

 5 15.036600 GHz
 1.027 U

 6 18.000000 GHz
 1.058 U

 MARKER READOUT
 FUNCTIONS

Sample 11

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

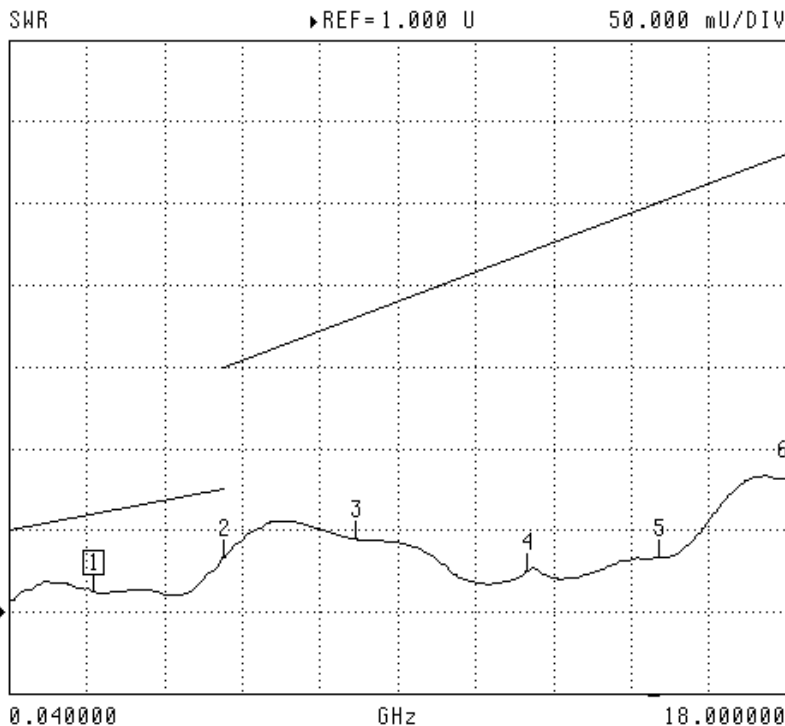
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.012 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.034 U

 3 8.032200 GHz
 1.045 U

 4 12.028300 GHz
 1.025 U

 5 15.036600 GHz
 1.034 U

 6 18.000000 GHz
 1.081 U

 MARKER READOUT
 FUNCTIONS

Sample 12

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

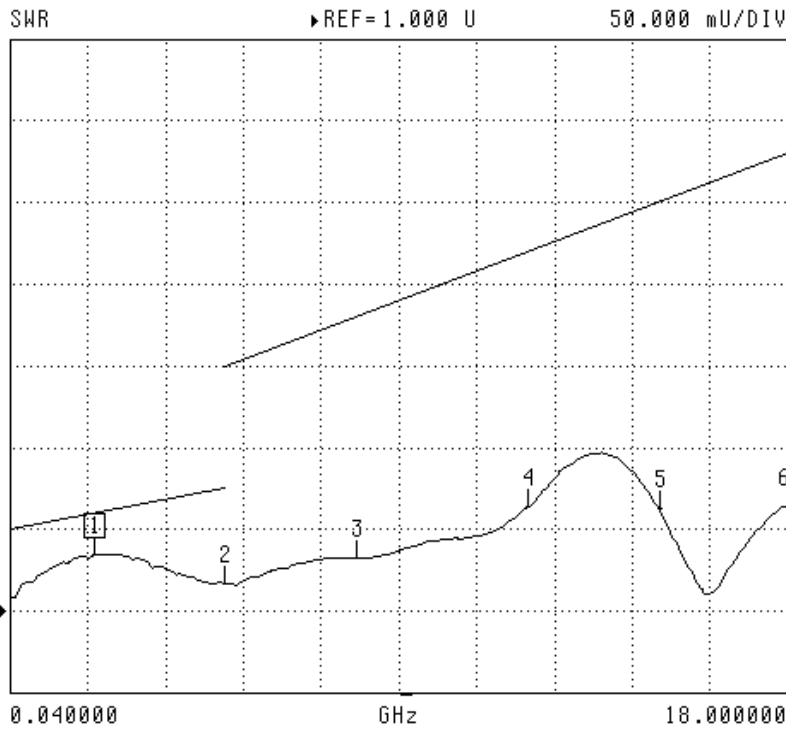
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.034 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.016 U

 3 8.032200 GHz
 1.032 U

 4 12.028300 GHz
 1.064 U

 5 15.036600 GHz
 1.063 U

 6 18.000000 GHz
 1.063 U

 MARKER READOUT
 FUNCTIONS

Sample 13

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

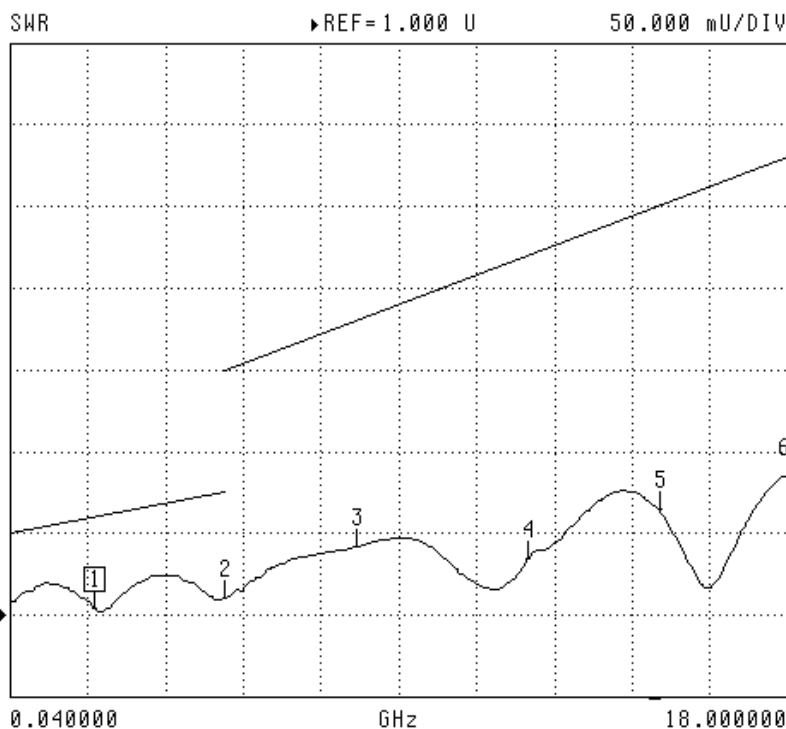
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.004 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.010 U

 3 8.032200 GHz
 1.042 U

 4 12.028300 GHz
 1.035 U

 5 15.036600 GHz
 1.065 U

 6 18.000000 GHz
 1.085 U

 MARKER READOUT
 FUNCTIONS

Sample 14

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

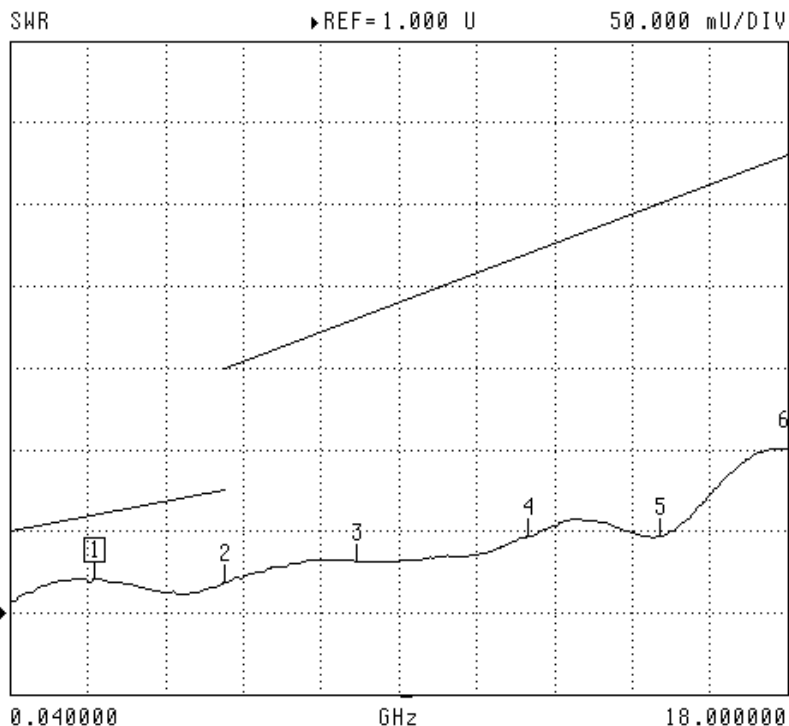
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.019 U

 3 8.032200 GHz
 1.032 U

 4 12.028300 GHz
 1.046 U

 5 15.036600 GHz
 1.047 U

 6 18.000000 GHz
 1.101 U

 MARKER READOUT
 FUNCTIONS

Sample 15

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

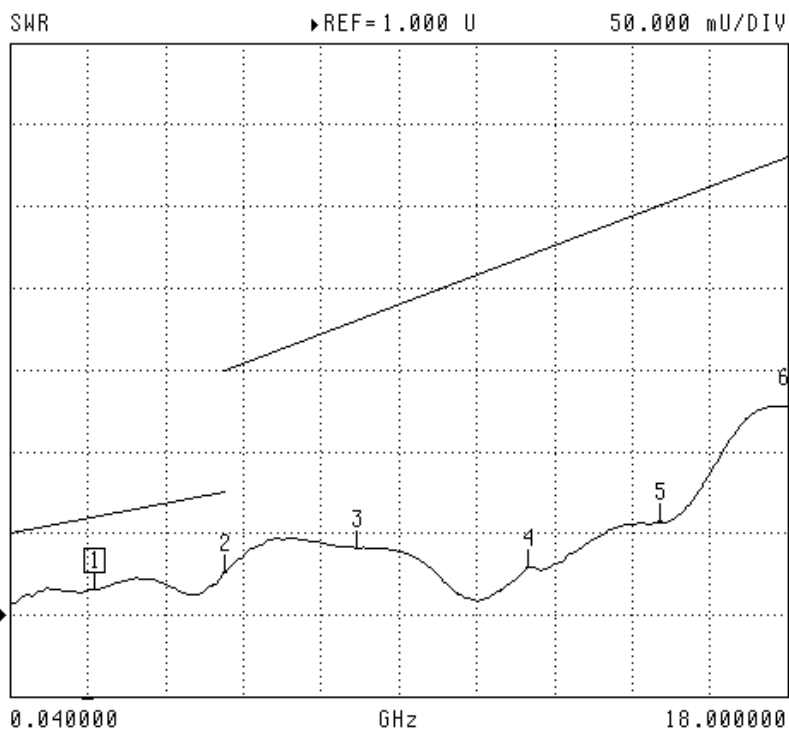
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.015 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.041 U

 4 12.028300 GHz
 1.029 U

 5 15.036600 GHz
 1.057 U

 6 18.000000 GHz
 1.127 U

 MARKER READOUT
 FUNCTIONS

Sample 16

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

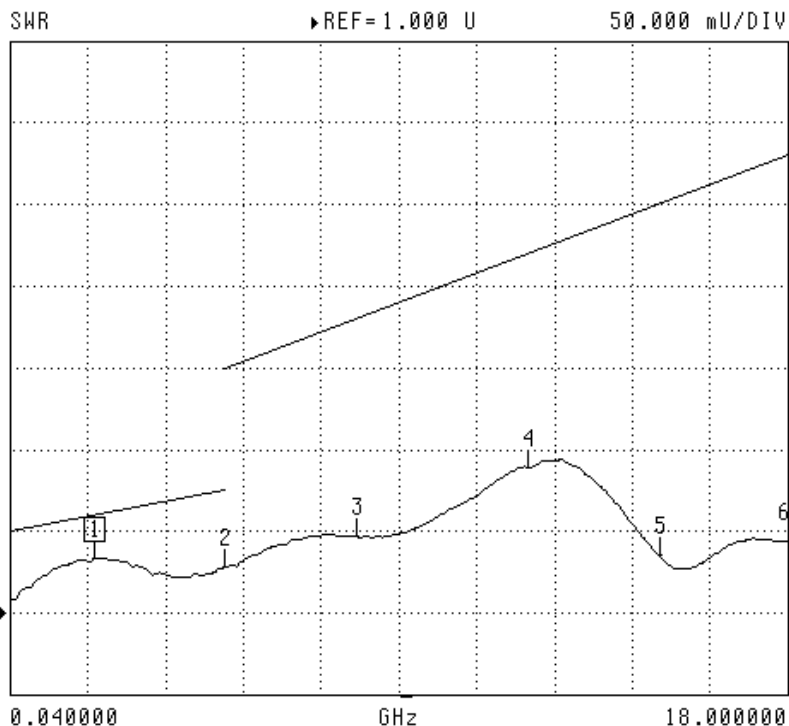
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.033 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.028 U

 3 8.032200 GHz
 1.047 U

 4 12.028300 GHz
 1.089 U

 5 15.036600 GHz
 1.036 U

 6 18.000000 GHz
 1.044 U

 MARKER READOUT
 FUNCTIONS

Sample 17

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

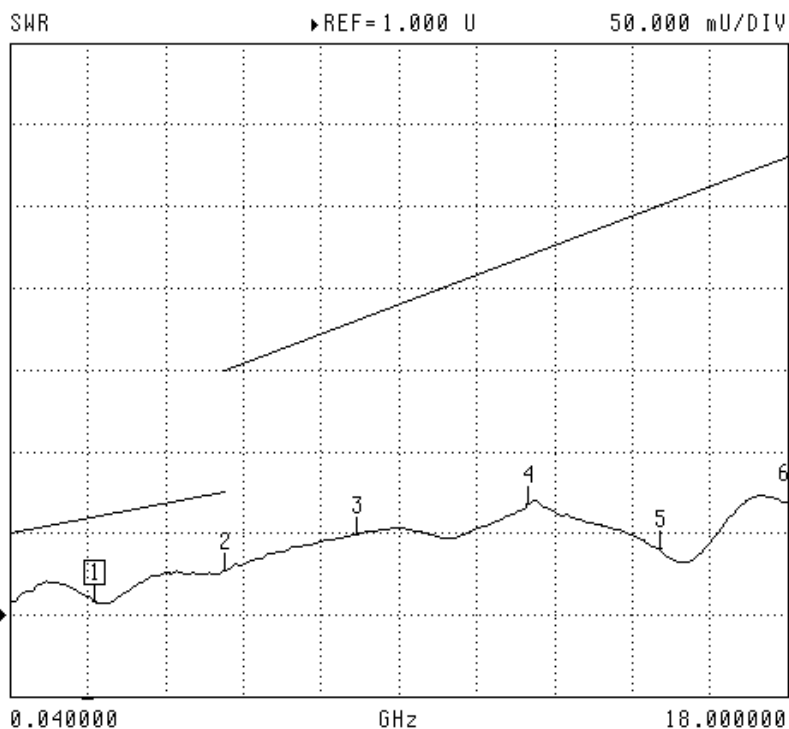
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.027 U

 3 8.032200 GHz
 1.049 U

 4 12.028300 GHz
 1.067 U

 5 15.036600 GHz
 1.040 U

 6 18.000000 GHz
 1.069 U

 MARKER READOUT
 FUNCTIONS

Sample 18

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

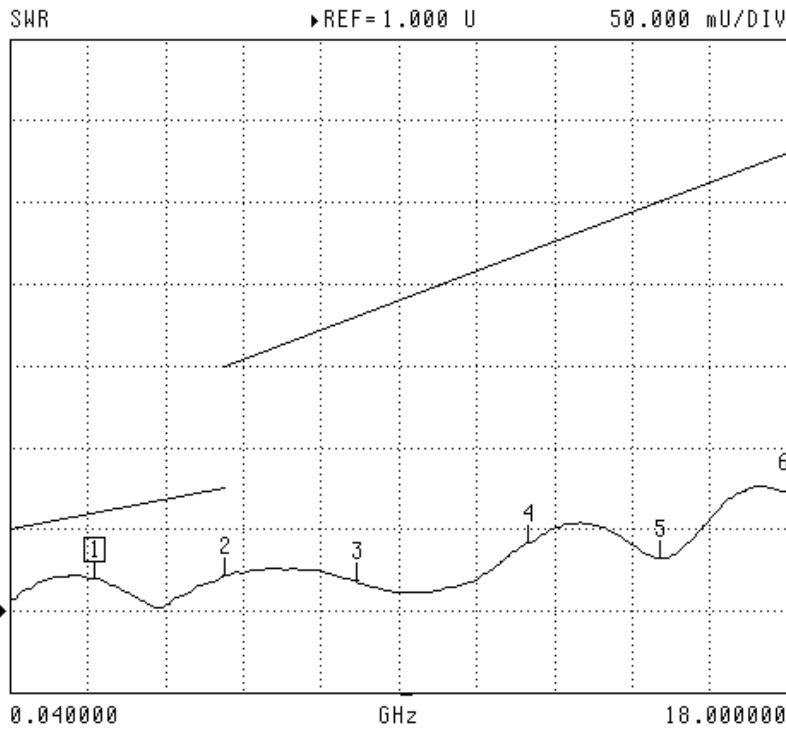
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.018 U

 4 12.028300 GHz
 1.042 U

 5 15.036600 GHz
 1.033 U

 6 18.000000 GHz
 1.073 U

 MARKER READOUT
 FUNCTIONS

Sample 19

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

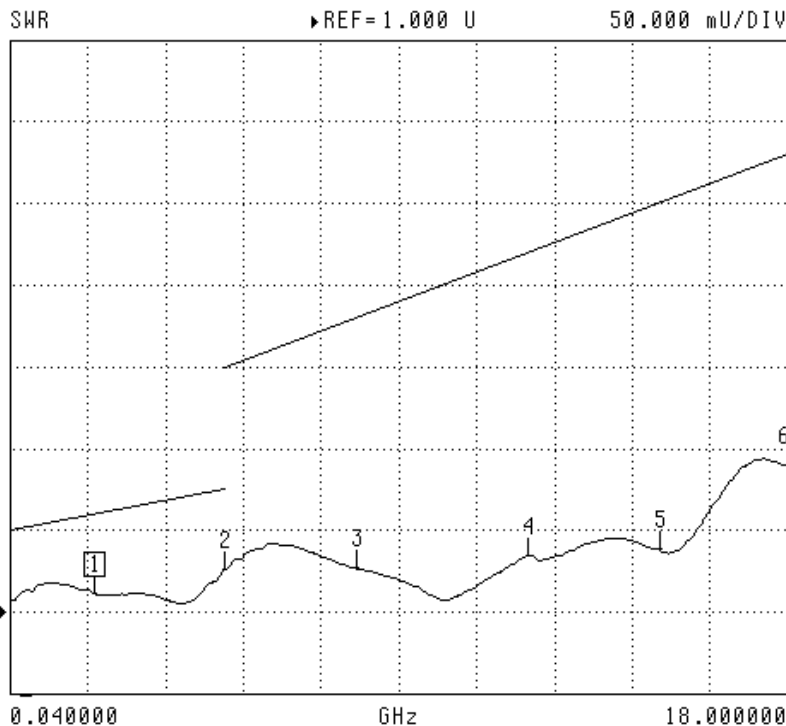
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.027 U

 4 12.028300 GHz
 1.035 U

 5 15.036600 GHz
 1.038 U

 6 18.000000 GHz
 1.090 U

 MARKER READOUT
 FUNCTIONS

Sample 20

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

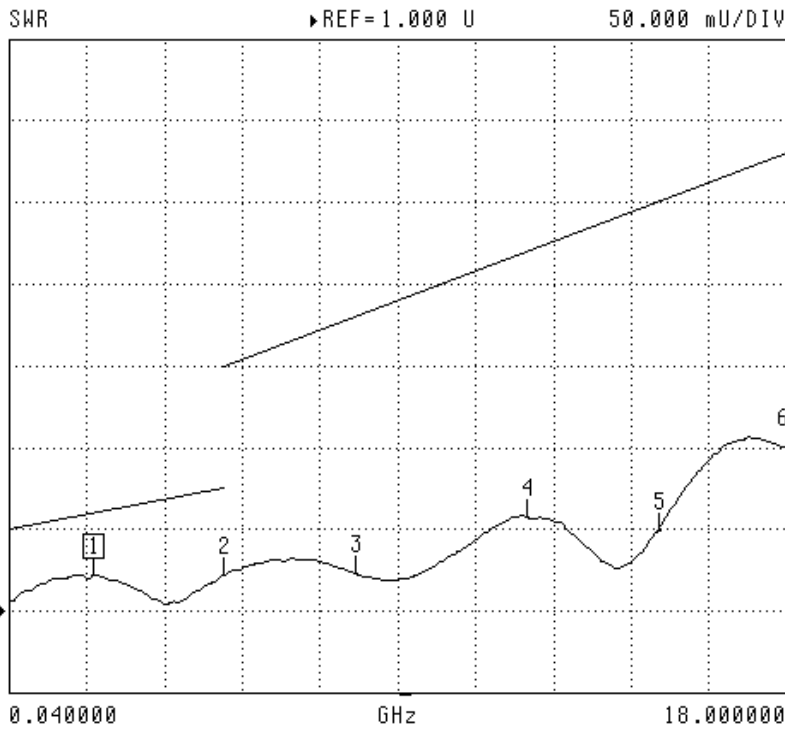
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.022 U

 3 8.032200 GHz
 1.023 U

 4 12.028300 GHz
 1.057 U

 5 15.036600 GHz
 1.049 U

 6 18.000000 GHz
 1.101 U

 MARKER READOUT
 FUNCTIONS

Sample 21

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

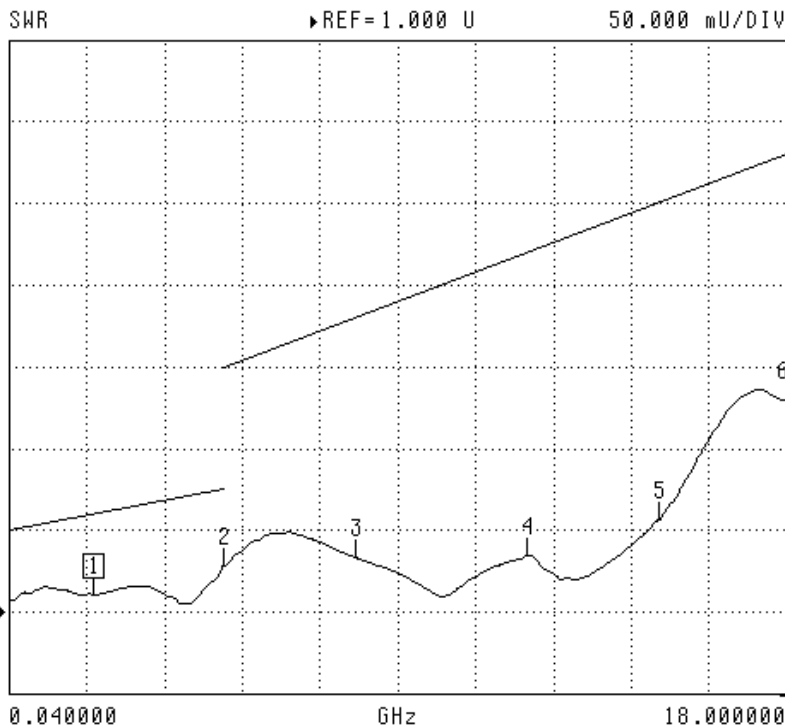
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.010 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.028 U

 3 8.032200 GHz
 1.033 U

 4 12.028300 GHz
 1.034 U

 5 15.036600 GHz
 1.056 U

 6 18.000000 GHz
 1.130 U

 MARKER READOUT
 FUNCTIONS

Sample 22

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

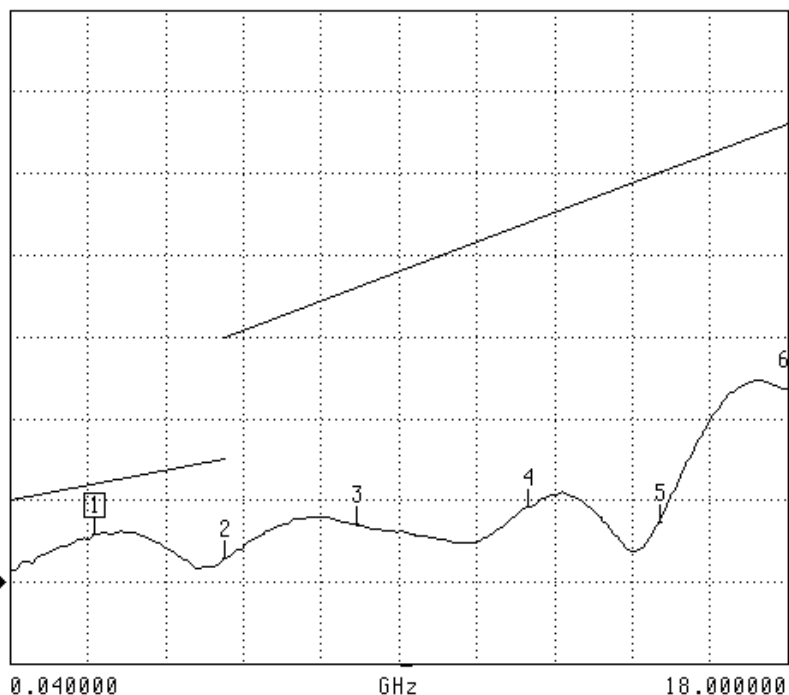
Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

SWR ▶REF=1.000 U 50.000 mU/DIV


 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.029 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.014 U

 3 8.032200 GHz
 1.035 U

 4 12.028300 GHz
 1.046 U

 5 15.036600 GHz
 1.036 U

 6 18.000000 GHz
 1.118 U

 MARKER READOUT
 FUNCTIONS

Sample 23

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

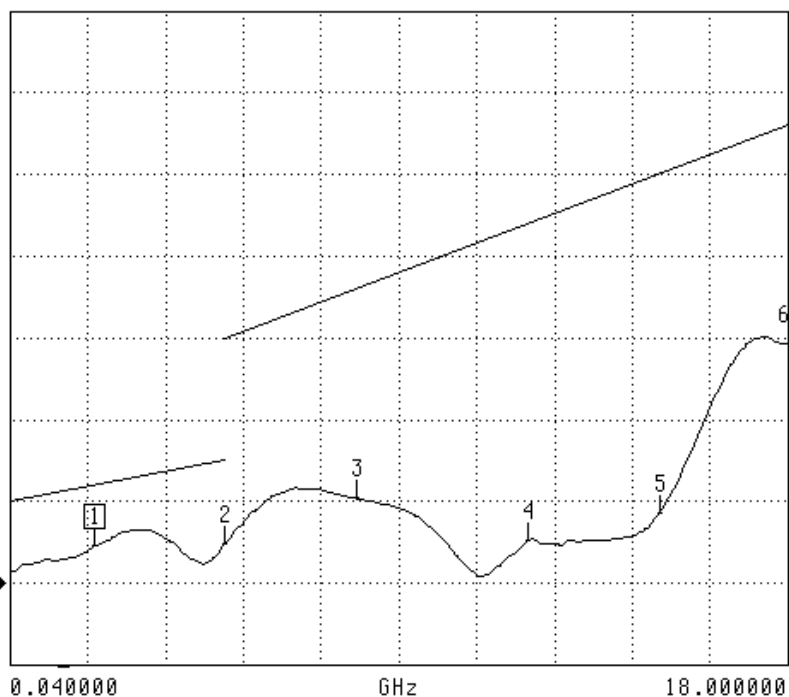
Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

SWR ▶REF=1.000 U 50.000 mU/DIV


 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.022 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.024 U

 3 8.032200 GHz
 1.052 U

 4 12.028300 GHz
 1.026 U

 5 15.036600 GHz
 1.042 U

 6 18.000000 GHz
 1.146 U

 MARKER READOUT
 FUNCTIONS

Sample 24

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

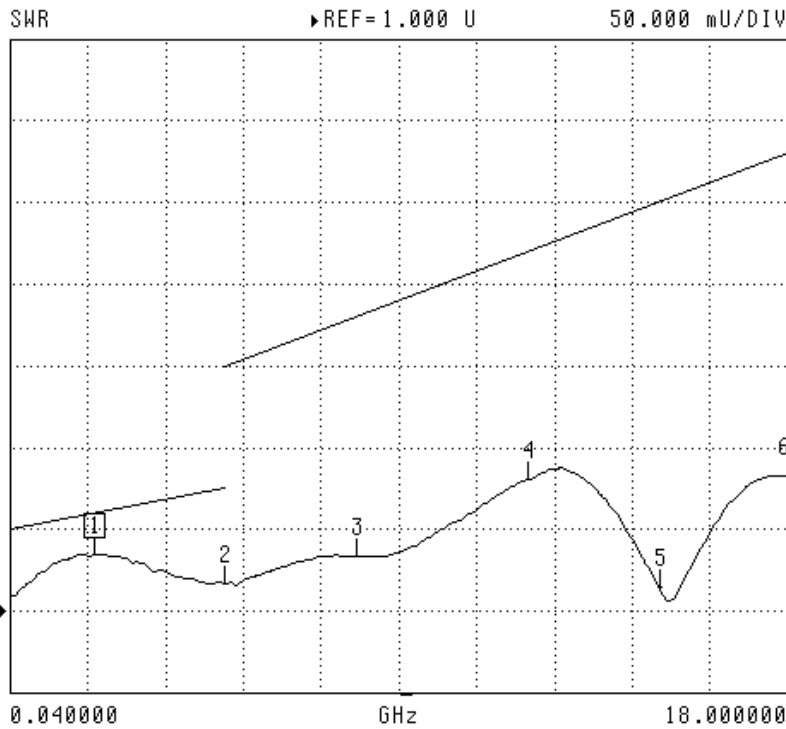
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.035 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.033 U

 4 12.028300 GHz
 1.080 U

 5 15.036600 GHz
 1.014 U

 6 18.000000 GHz
 1.083 U

 MARKER READOUT
 FUNCTIONS

Sample 25

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

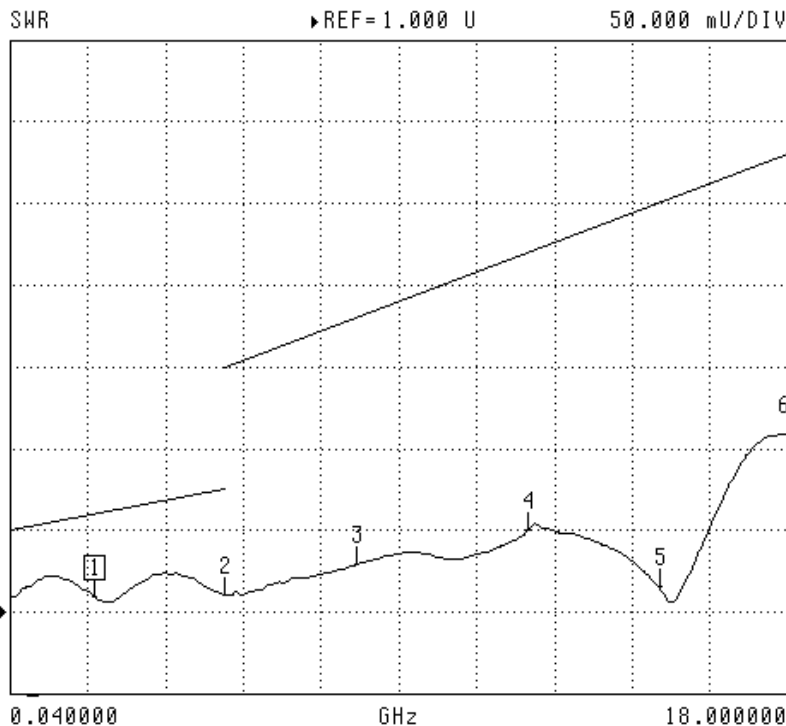
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.010 U

 3 8.032200 GHz
 1.029 U

 4 12.028300 GHz
 1.051 U

 5 15.036600 GHz
 1.015 U

 6 18.000000 GHz
 1.108 U

 MARKER READOUT
 FUNCTIONS

Sample 26

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

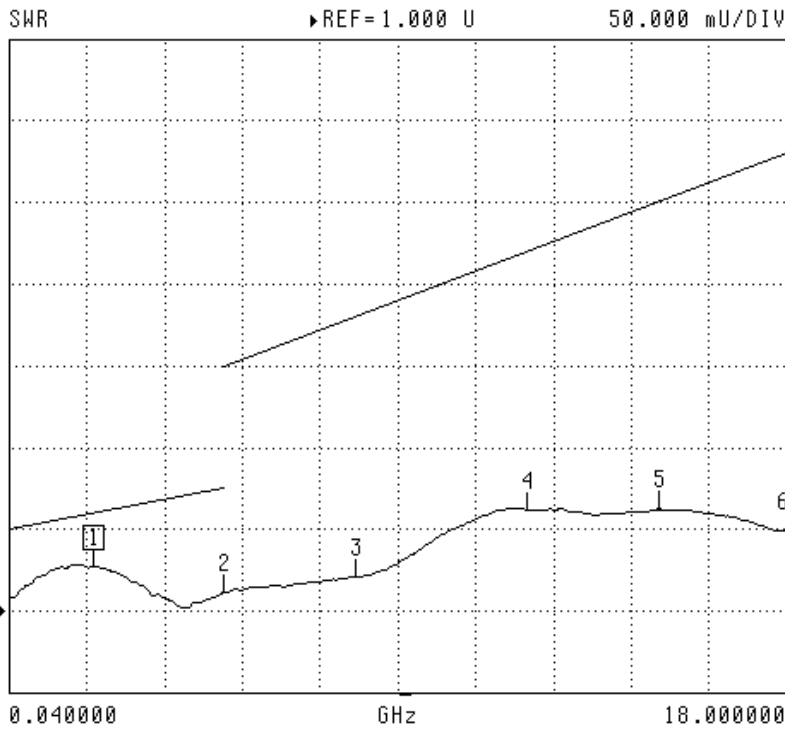
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.027 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.011 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.061 U

 5 15.036600 GHz
 1.062 U

 6 18.000000 GHz
 1.049 U

 MARKER READOUT
 FUNCTIONS

Sample 27

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

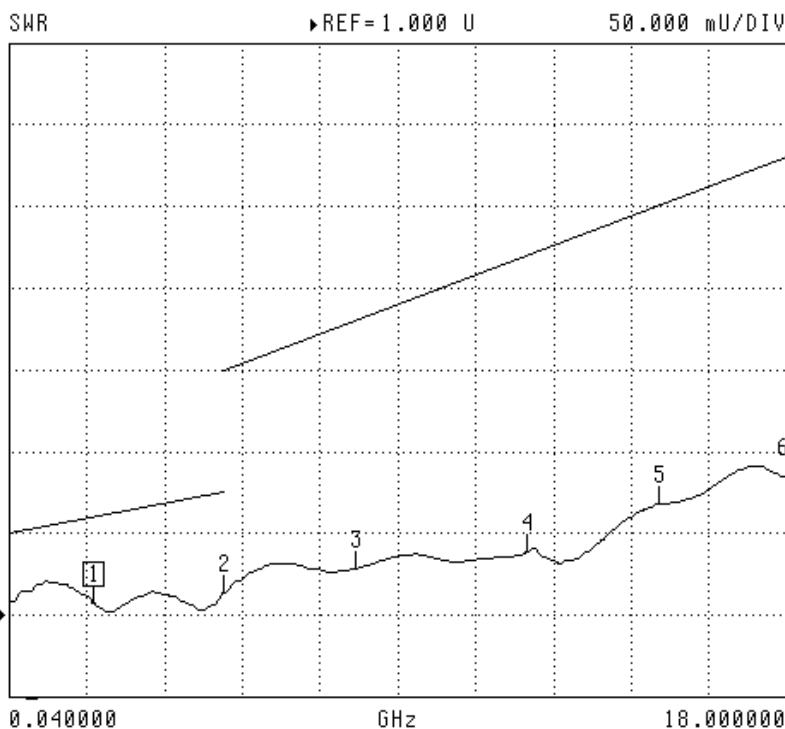
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.007 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.014 U

 3 8.032200 GHz
 1.028 U

 4 12.028300 GHz
 1.039 U

 5 15.036600 GHz
 1.068 U

 6 18.000000 GHz
 1.085 U

 MARKER READOUT
 FUNCTIONS

Sample 28

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

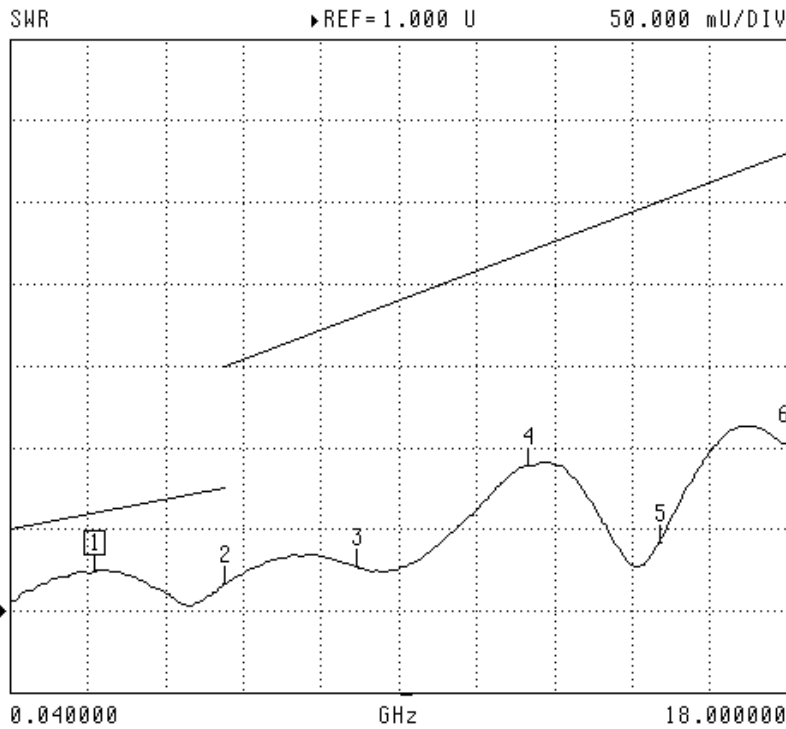
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.024 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.027 U

 4 12.028300 GHz
 1.088 U

 5 15.036600 GHz
 1.041 U

 6 18.000000 GHz
 1.103 U

 MARKER READOUT
 FUNCTIONS

Sample 29

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

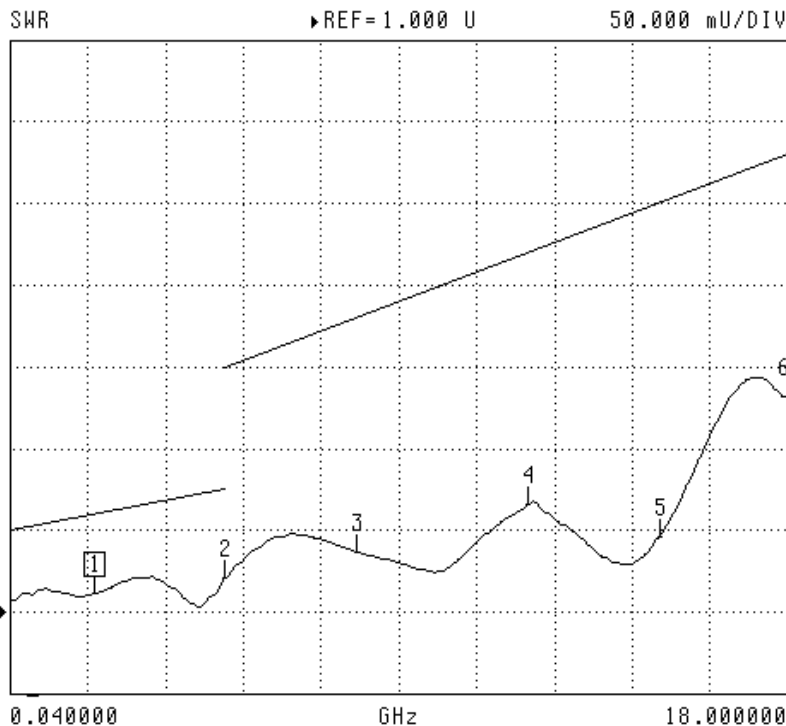
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.037 U

 4 12.028300 GHz
 1.066 U

 5 15.036600 GHz
 1.046 U

 6 18.000000 GHz
 1.132 U

 MARKER READOUT
 FUNCTIONS

Sample 30

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

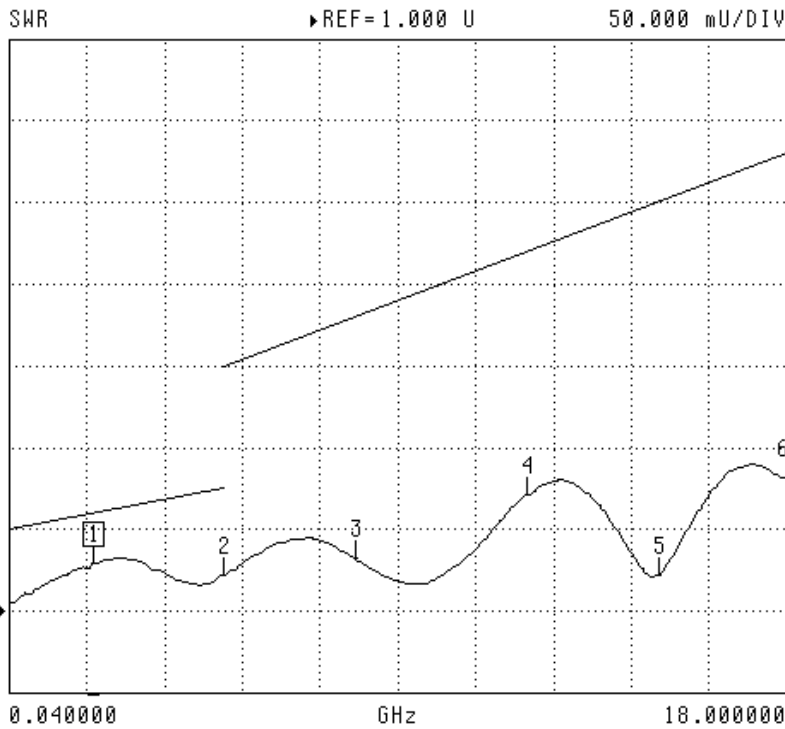
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.029 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.022 U

 3 8.032200 GHz
 1.032 U

 4 12.028300 GHz
 1.071 U

 5 15.036600 GHz
 1.022 U

 6 18.000000 GHz
 1.081 U

 MARKER READOUT
 FUNCTIONS

Sample 31

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

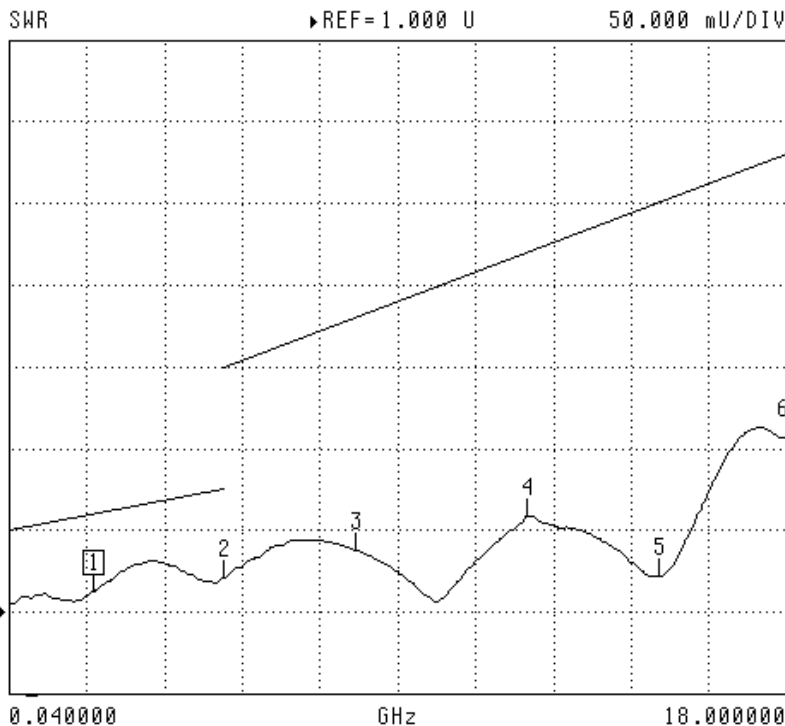
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.013 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.038 U

 4 12.028300 GHz
 1.058 U

 5 15.036600 GHz
 1.022 U

 6 18.000000 GHz
 1.106 U

 MARKER READOUT
 FUNCTIONS

Sample 32

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

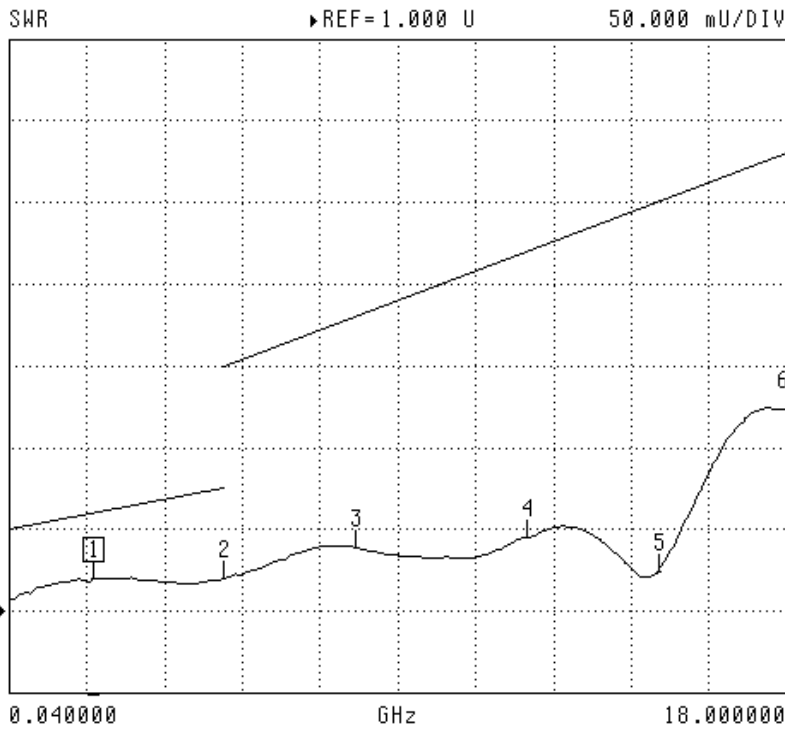
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.019 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.020 U

 3 8.032200 GHz
 1.039 U

 4 12.028300 GHz
 1.045 U

 5 15.036600 GHz
 1.024 U

 6 18.000000 GHz
 1.123 U

 MARKER READOUT
 FUNCTIONS

Sample 33

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

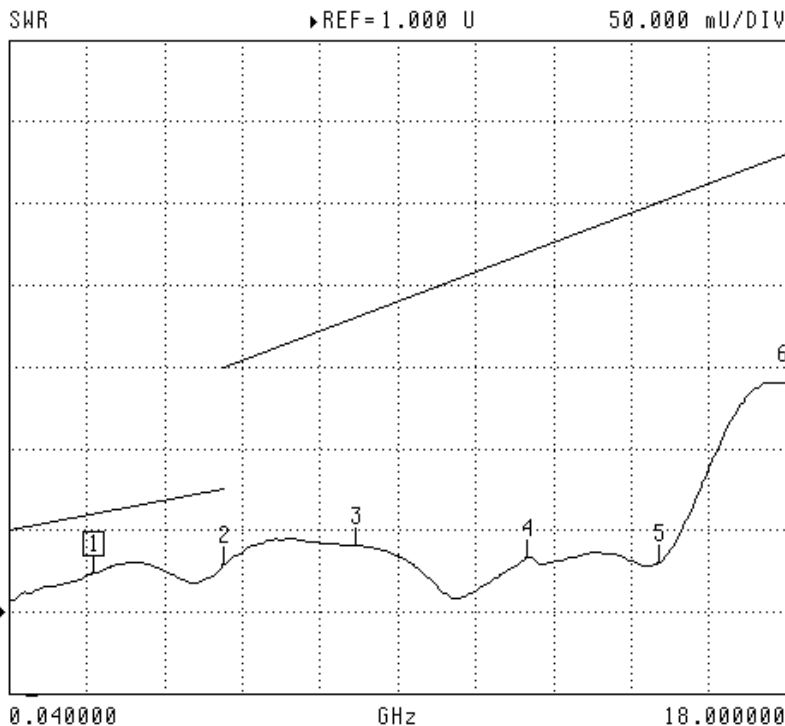
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.023 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.029 U

 3 8.032200 GHz
 1.040 U

 4 12.028300 GHz
 1.033 U

 5 15.036600 GHz
 1.030 U

 6 18.000000 GHz
 1.140 U

 MARKER READOUT
 FUNCTIONS

Sample 34

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

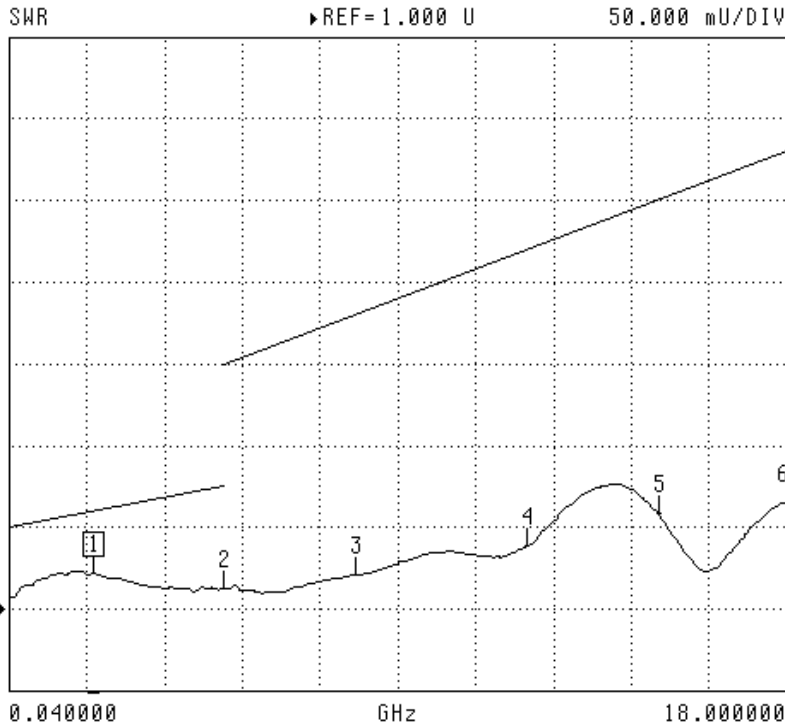
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.013 U

 3 8.032200 GHz
 1.020 U

 4 12.028300 GHz
 1.039 U

 5 15.036600 GHz
 1.059 U

 6 18.000000 GHz
 1.064 U

 MARKER READOUT
 FUNCTIONS

Sample 35

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

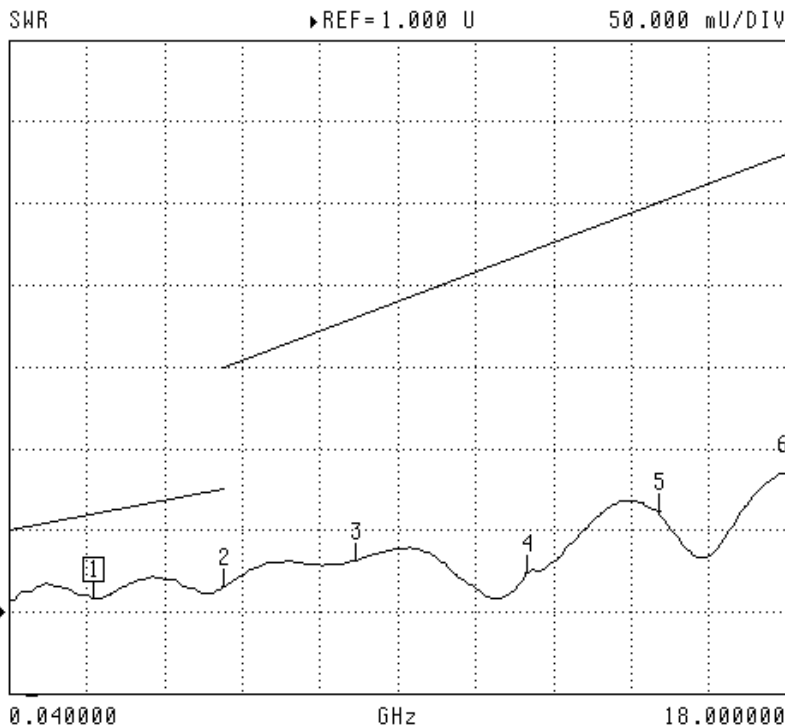
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.016 U

 3 8.032200 GHz
 1.031 U

 4 12.028300 GHz
 1.024 U

 5 15.036600 GHz
 1.061 U

 6 18.000000 GHz
 1.085 U

 MARKER READOUT
 FUNCTIONS

Sample 95

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

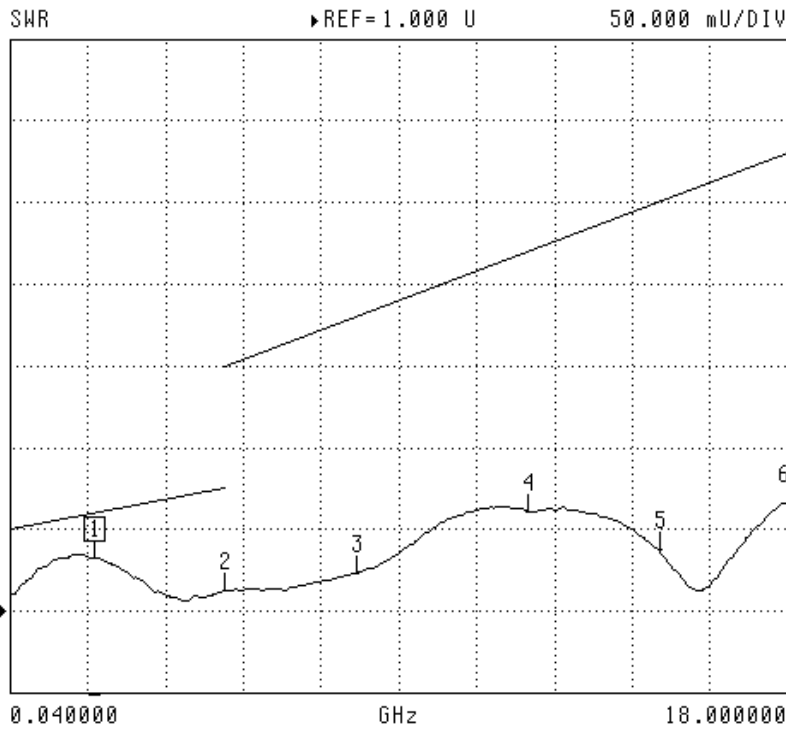
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.032 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.012 U

 3 8.032200 GHz
 1.023 U

 4 12.028300 GHz
 1.061 U

 5 15.036600 GHz
 1.037 U

 6 18.000000 GHz
 1.066 U

 MARKER READOUT
 FUNCTIONS

Sample 96

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

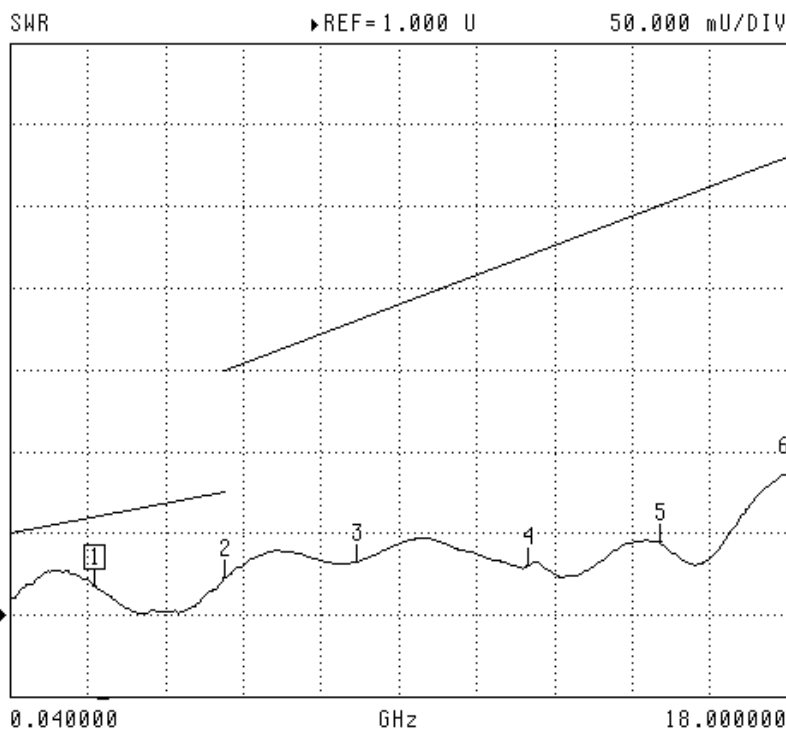
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.018 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.022 U

 3 8.032200 GHz
 1.032 U

 4 12.028300 GHz
 1.030 U

 5 15.036600 GHz
 1.045 U

 6 18.000000 GHz
 1.086 U

 MARKER READOUT
 FUNCTIONS

Sample 97

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

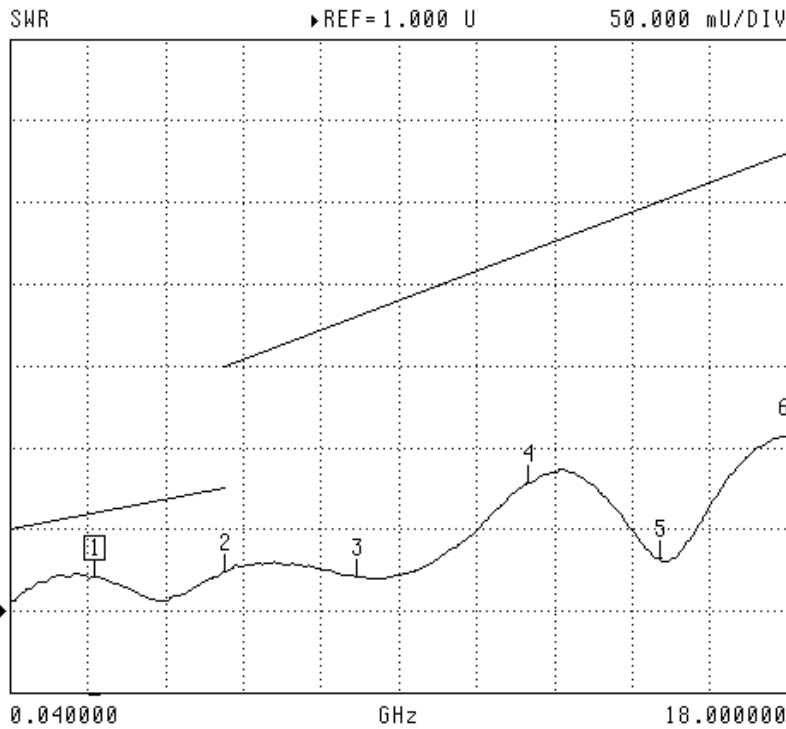
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.024 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.078 U

 5 15.036600 GHz
 1.032 U

 6 18.000000 GHz
 1.107 U

 MARKER READOUT
 FUNCTIONS

Sample 98

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

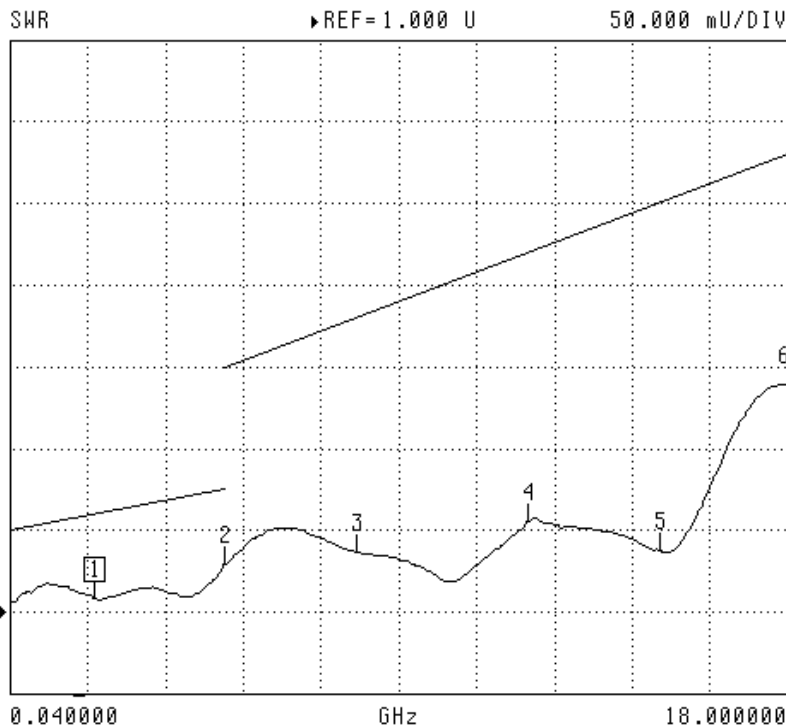
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.029 U

 3 8.032200 GHz
 1.037 U

 4 12.028300 GHz
 1.056 U

 5 15.036600 GHz
 1.038 U

 6 18.000000 GHz
 1.139 U

 MARKER READOUT
 FUNCTIONS

Sample 99

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

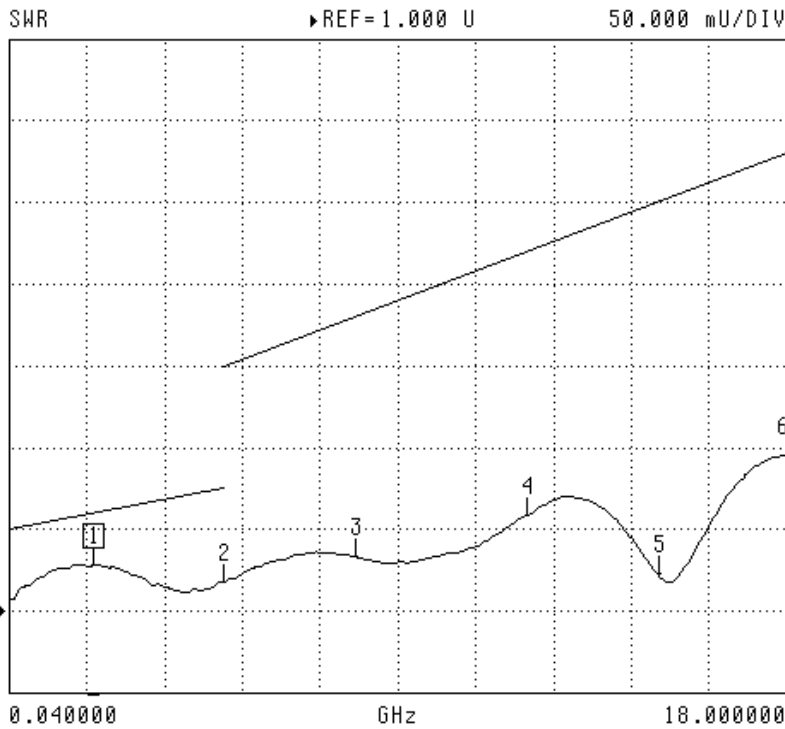
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.028 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.018 U

 3 8.032200 GHz
 1.033 U

 4 12.028300 GHz
 1.059 U

 5 15.036600 GHz
 1.022 U

 6 18.000000 GHz
 1.095 U

 MARKER READOUT
 FUNCTIONS

Sample 100

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

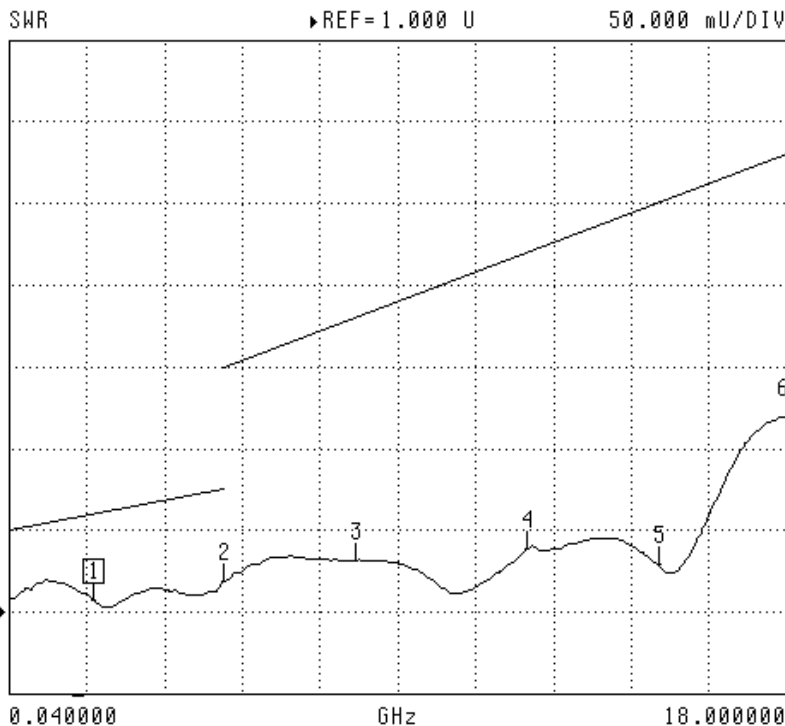
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.007 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.018 U

 3 8.032200 GHz
 1.032 U

 4 12.028300 GHz
 1.039 U

 5 15.036600 GHz
 1.029 U

 6 18.000000 GHz
 1.119 U

 MARKER READOUT
 FUNCTIONS

Sample 101

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

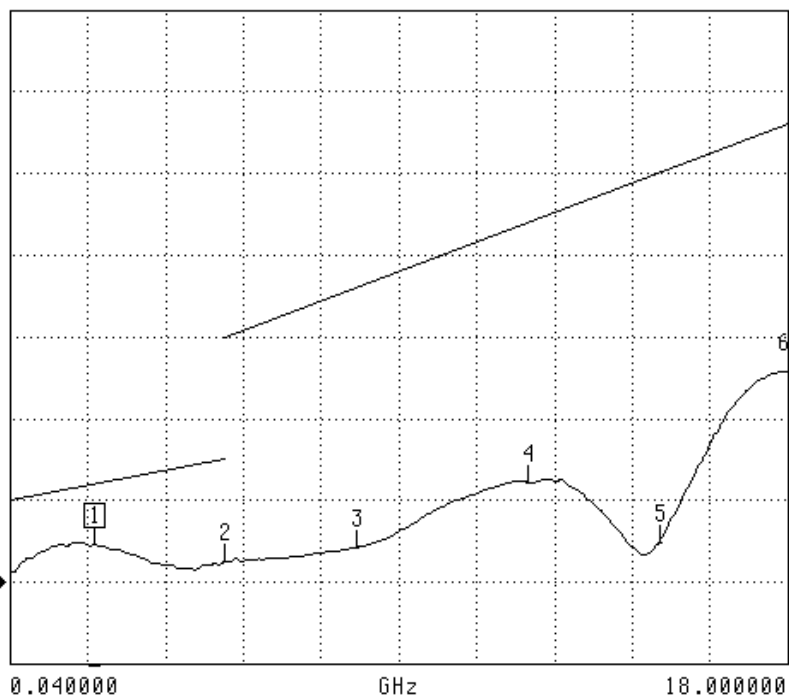
Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

SWR ▶REF=1.000 U 50.000 mU/DIV


 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.023 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.012 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.061 U

 5 15.036600 GHz
 1.024 U

 6 18.000000 GHz
 1.129 U

 MARKER READOUT
 FUNCTIONS

Sample 102

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

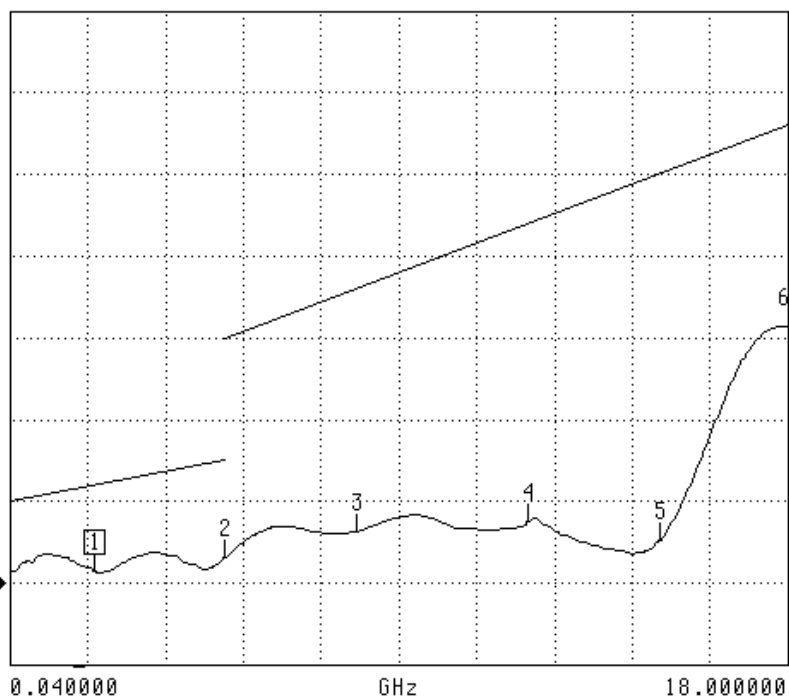
Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

SWR ▶REF=1.000 U 50.000 mU/DIV


 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.007 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.016 U

 3 8.032200 GHz
 1.031 U

 4 12.028300 GHz
 1.037 U

 5 15.036600 GHz
 1.026 U

 6 18.000000 GHz
 1.157 U

 MARKER READOUT
 FUNCTIONS

Sample 103

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

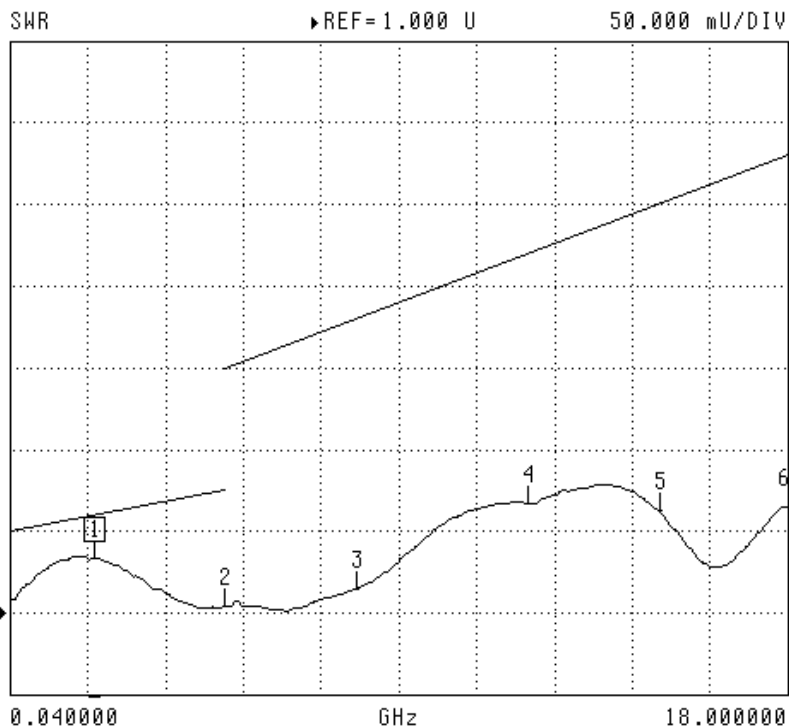
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.033 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.004 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.067 U

 5 15.036600 GHz
 1.063 U

 6 18.000000 GHz
 1.065 U

 MARKER READOUT
 FUNCTIONS

Sample 104

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

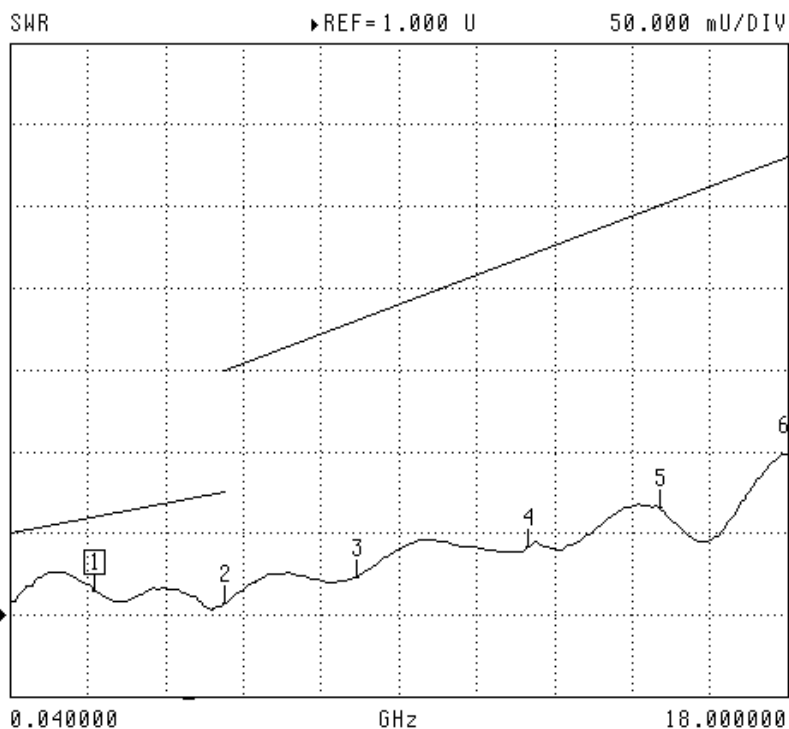
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.015 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.007 U

 3 8.032200 GHz
 1.023 U

 4 12.028300 GHz
 1.042 U

 5 15.036600 GHz
 1.066 U

 6 18.000000 GHz
 1.098 U

 MARKER READOUT
 FUNCTIONS

Sample 105

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

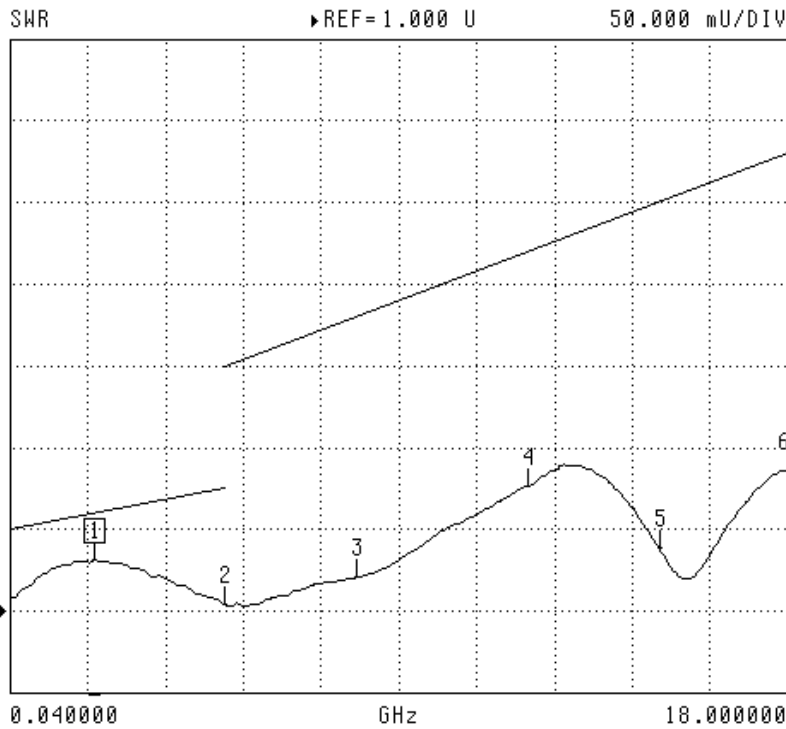
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.031 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.004 U

 3 8.032200 GHz
 1.020 U

 4 12.028300 GHz
 1.077 U

 5 15.036600 GHz
 1.039 U

 6 18.000000 GHz
 1.086 U

 MARKER READOUT
 FUNCTIONS

Sample 106

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

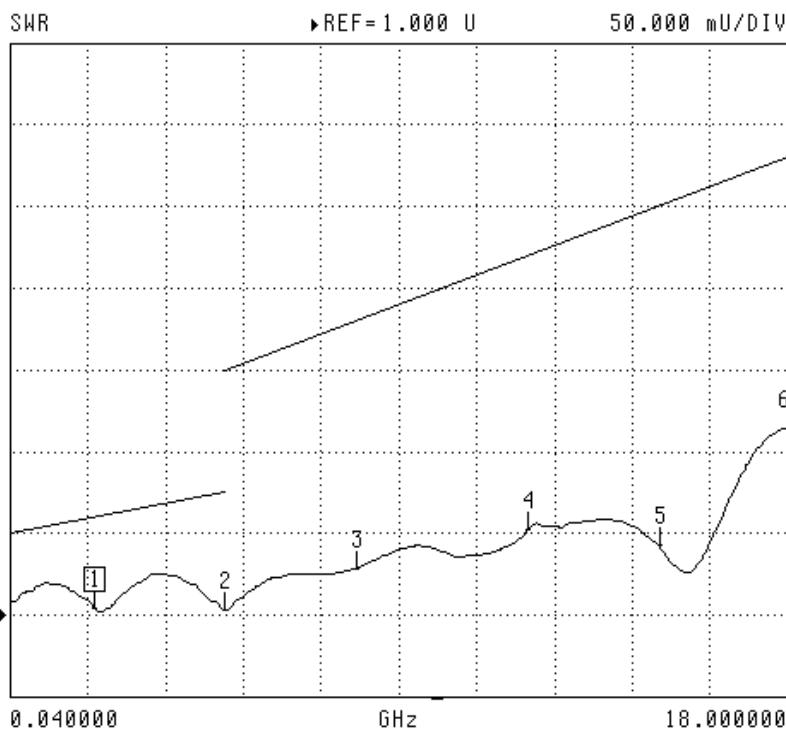
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.004 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.003 U

 3 8.032200 GHz
 1.028 U

 4 12.028300 GHz
 1.052 U

 5 15.036600 GHz
 1.043 U

 6 18.000000 GHz
 1.114 U

 MARKER READOUT
 FUNCTIONS

Sample 107

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

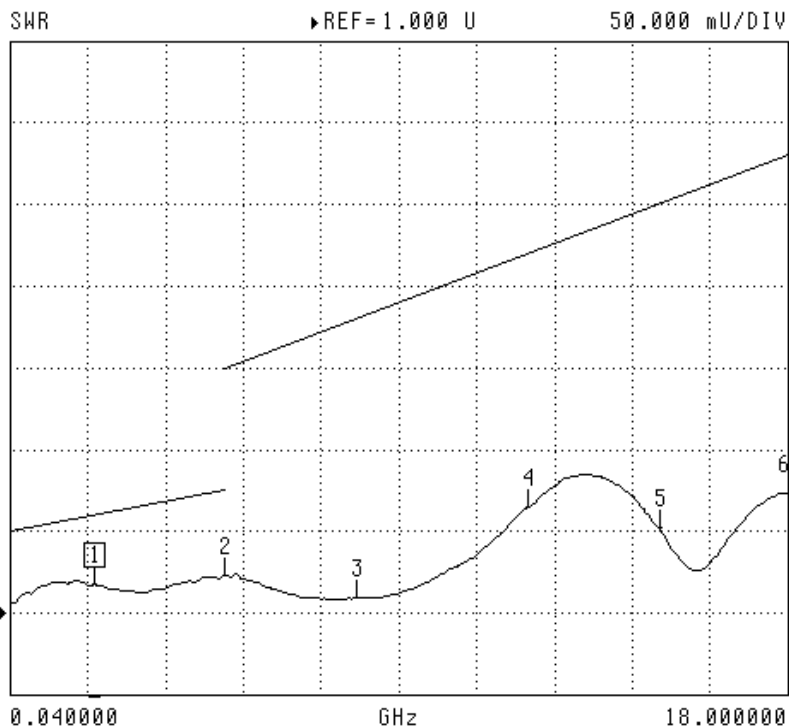
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.017 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.009 U

 4 12.028300 GHz
 1.065 U

 5 15.036600 GHz
 1.052 U

 6 18.000000 GHz
 1.073 U

 MARKER READOUT
 FUNCTIONS

Sample 108

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

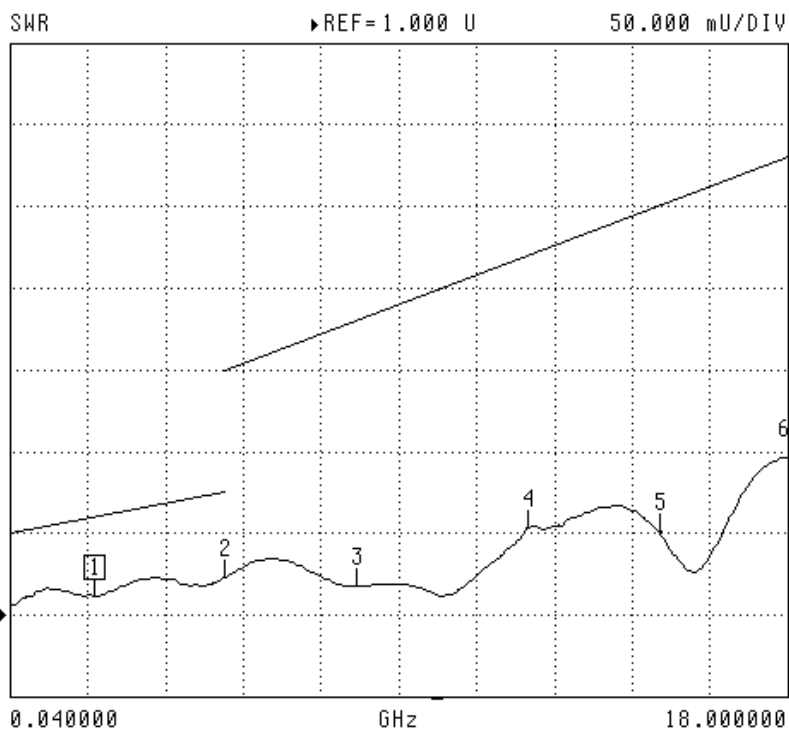
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.017 U

 4 12.028300 GHz
 1.053 U

 5 15.036600 GHz
 1.051 U

 6 18.000000 GHz
 1.096 U

 MARKER READOUT
 FUNCTIONS

Sample 109

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

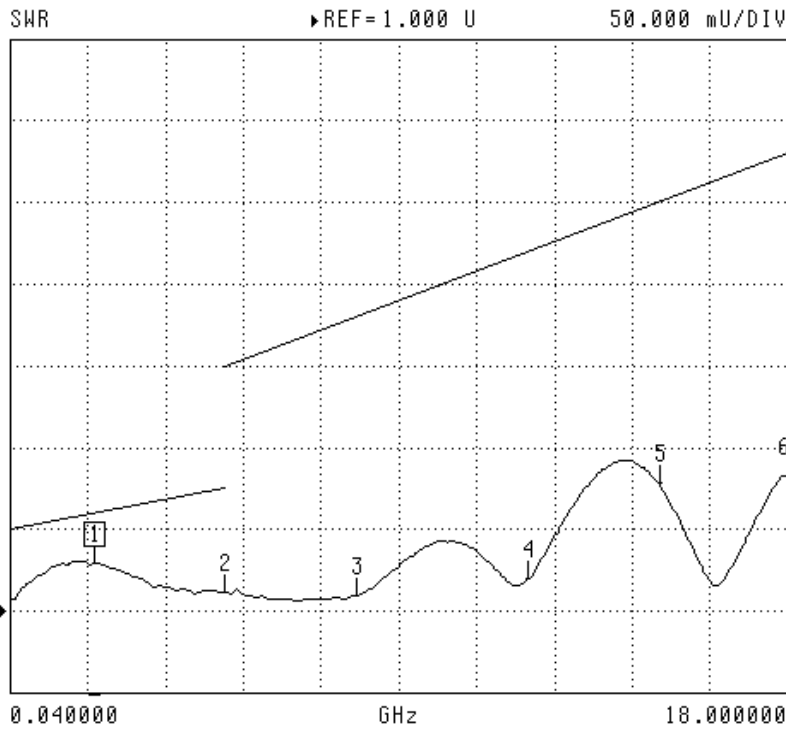
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.029 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.011 U

 3 8.032200 GHz
 1.009 U

 4 12.028300 GHz
 1.019 U

 5 15.036600 GHz
 1.078 U

 6 18.000000 GHz
 1.082 U

 MARKER READOUT
 FUNCTIONS

Sample 110

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

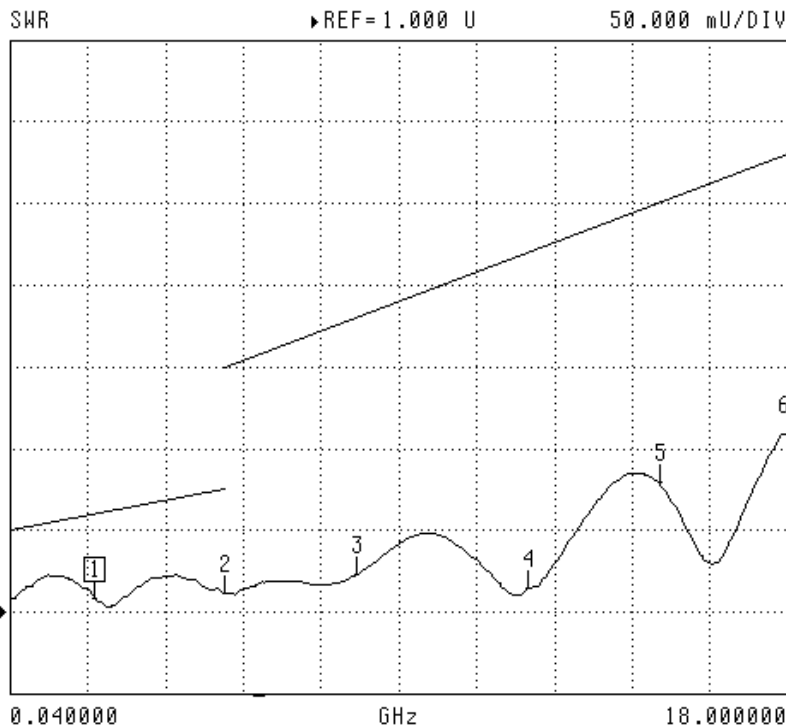
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.011 U

 3 8.032200 GHz
 1.023 U

 4 12.028300 GHz
 1.014 U

 5 15.036600 GHz
 1.080 U

 6 18.000000 GHz
 1.109 U

 MARKER READOUT
 FUNCTIONS

Sample 111

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

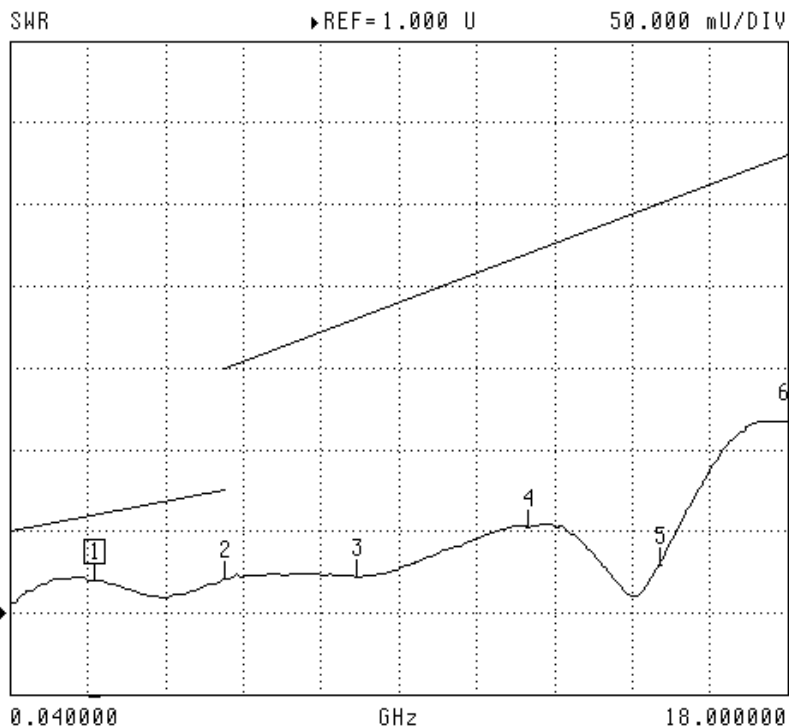
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.022 U

 4 12.028300 GHz
 1.053 U

 5 15.036600 GHz
 1.029 U

 6 18.000000 GHz
 1.117 U

 MARKER READOUT
 FUNCTIONS

Sample 112

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

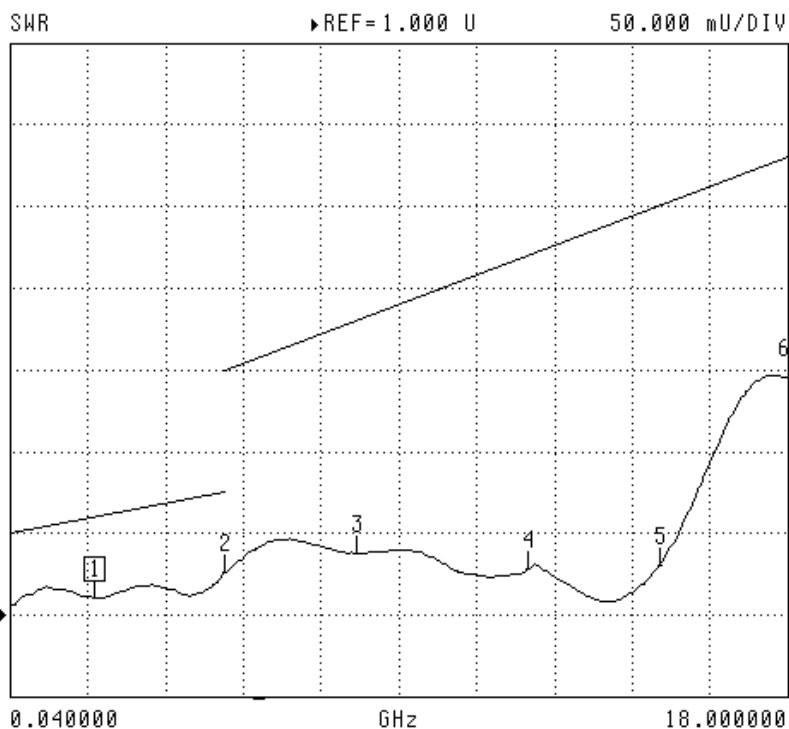
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.010 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.038 U

 4 12.028300 GHz
 1.028 U

 5 15.036600 GHz
 1.030 U

 6 18.000000 GHz
 1.146 U

 MARKER READOUT
 FUNCTIONS

Sample 113

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

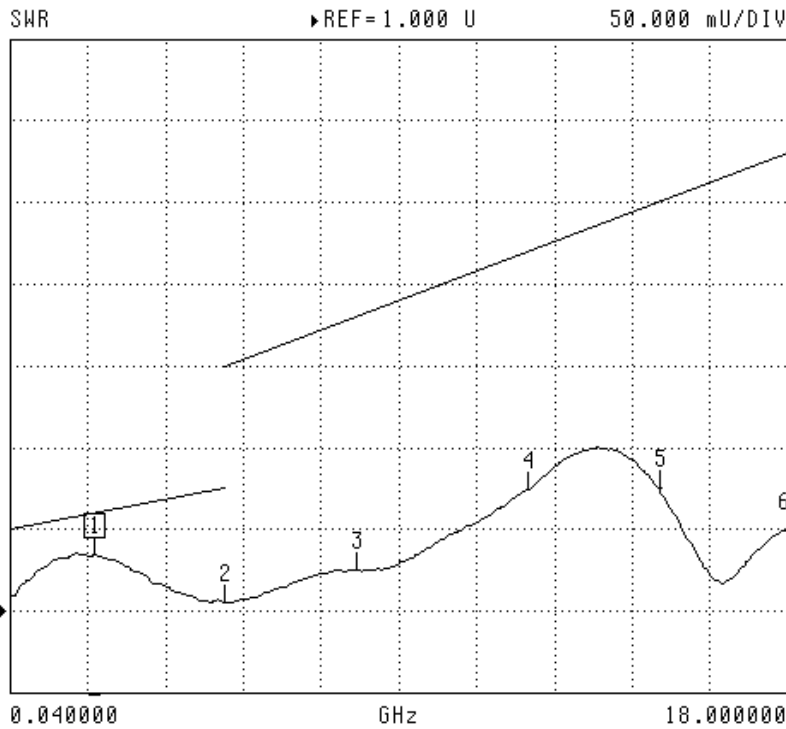
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.034 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.005 U

 3 8.032200 GHz
 1.025 U

 4 12.028300 GHz
 1.075 U

 5 15.036600 GHz
 1.075 U

 6 18.000000 GHz
 1.048 U

 MARKER READOUT
 FUNCTIONS

Sample 114

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

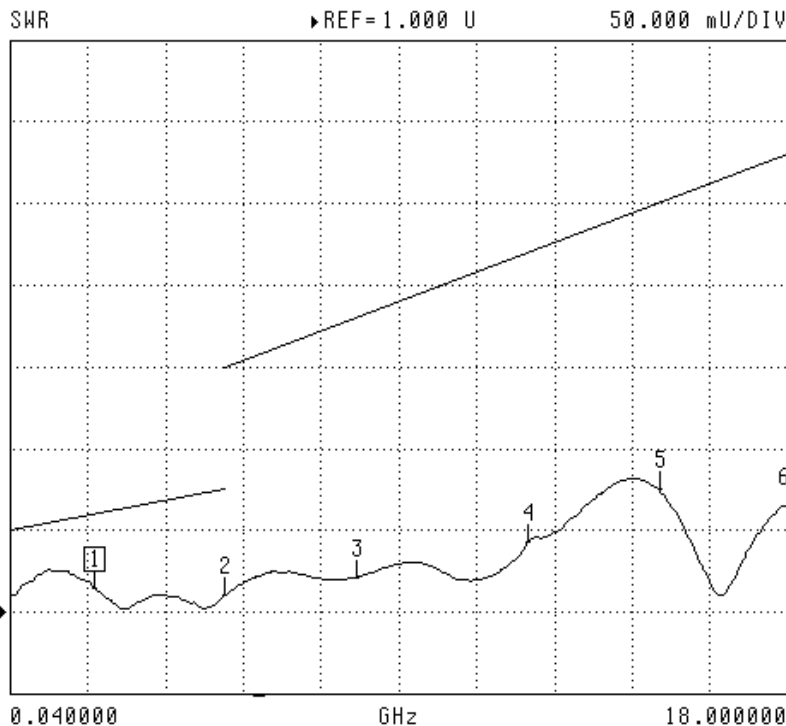
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.014 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.010 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.043 U

 5 15.036600 GHz
 1.075 U

 6 18.000000 GHz
 1.065 U

 MARKER READOUT
 FUNCTIONS

Sample 115

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

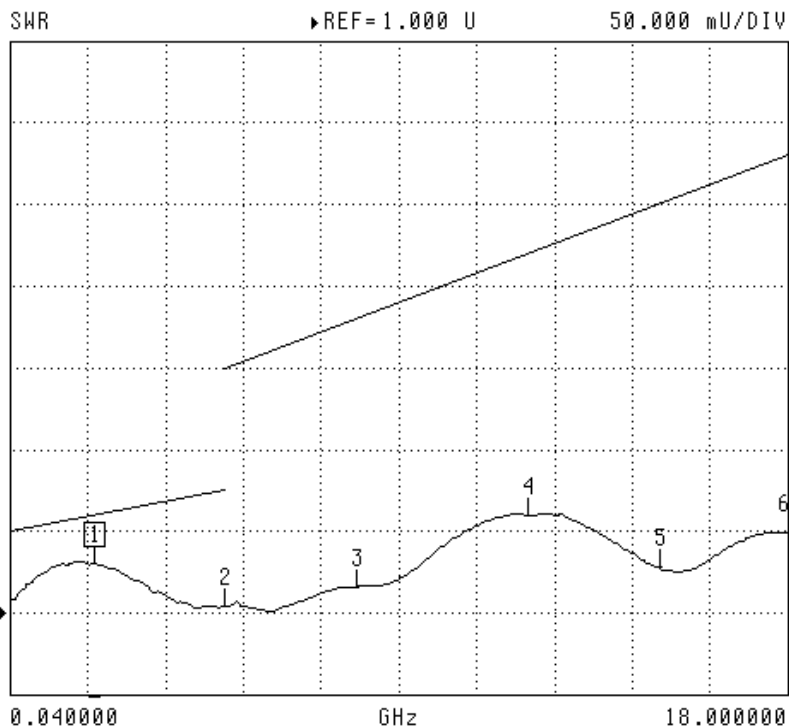
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.030 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.004 U

 3 8.032200 GHz
 1.016 U

 4 12.028300 GHz
 1.059 U

 5 15.036600 GHz
 1.028 U

 6 18.000000 GHz
 1.049 U

 MARKER READOUT
 FUNCTIONS

Sample 116

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

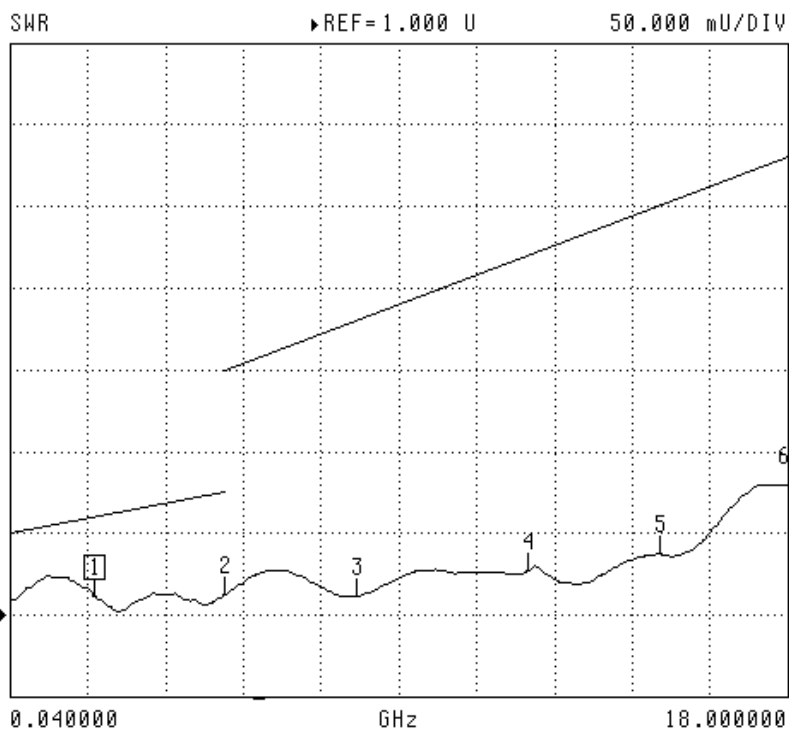
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.012 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.012 U

 3 8.032200 GHz
 1.011 U

 4 12.028300 GHz
 1.027 U

 5 15.036600 GHz
 1.038 U

 6 18.000000 GHz
 1.079 U

 MARKER READOUT
 FUNCTIONS

Sample 117

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

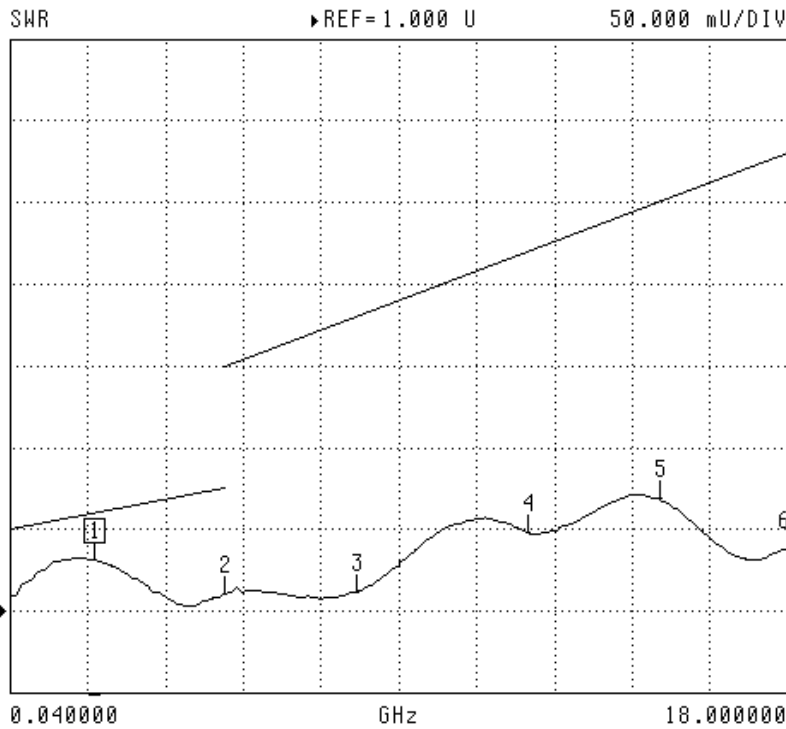
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.031 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.011 U

 3 8.032200 GHz
 1.012 U

 4 12.028300 GHz
 1.048 U

 5 15.036600 GHz
 1.069 U

 6 18.000000 GHz
 1.038 U

 MARKER READOUT
 FUNCTIONS

Sample 118

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

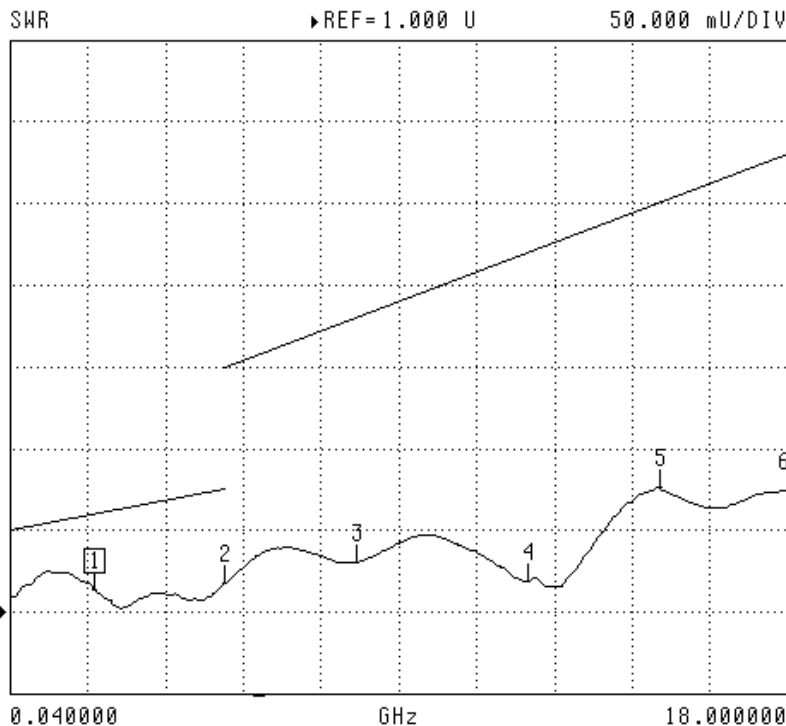
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At low temperature -40°C

08/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.013 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.018 U

 3 8.032200 GHz
 1.030 U

 4 12.028300 GHz
 1.019 U

 5 15.036600 GHz
 1.076 U

 6 18.000000 GHz
 1.074 U

 MARKER READOUT
 FUNCTIONS

Sample 119

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

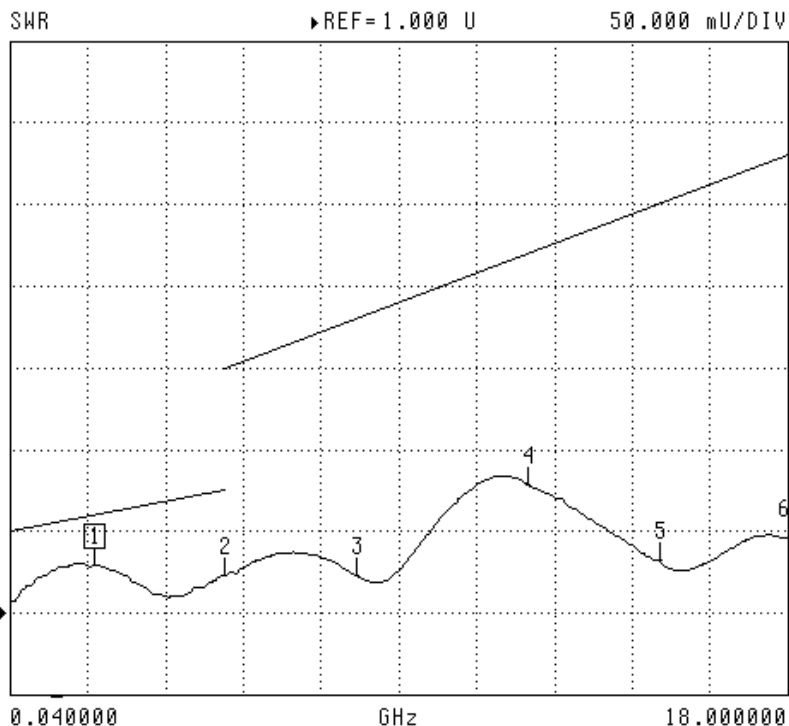
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.029 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.023 U

 4 12.028300 GHz
 1.078 U

 5 15.036600 GHz
 1.032 U

 6 18.000000 GHz
 1.046 U

 MARKER READOUT
 FUNCTIONS

Sample 1

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

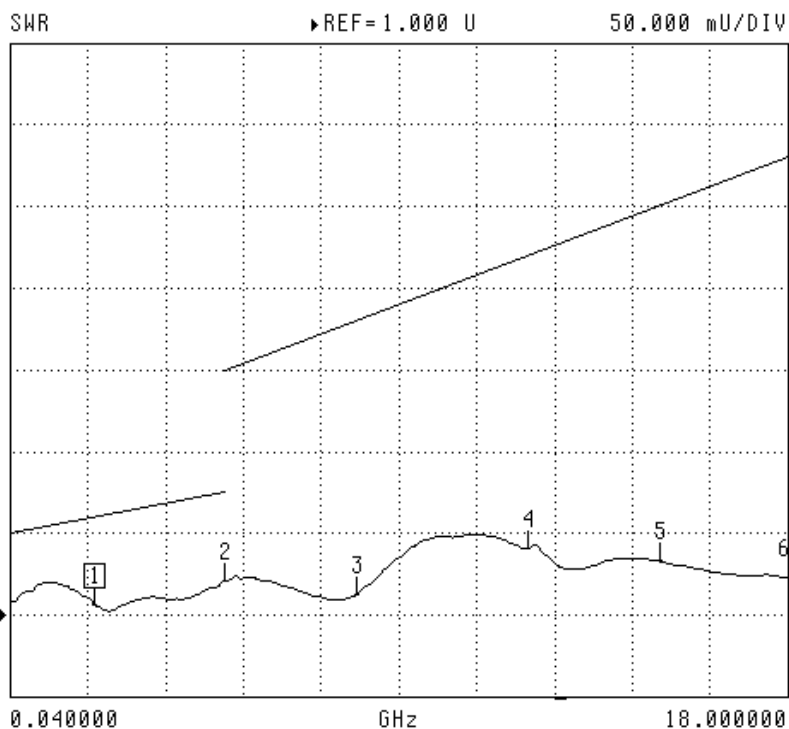
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.006 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.012 U

 4 12.028300 GHz
 1.041 U

 5 15.036600 GHz
 1.033 U

 6 18.000000 GHz
 1.023 U

 MARKER READOUT
 FUNCTIONS

Sample 2

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

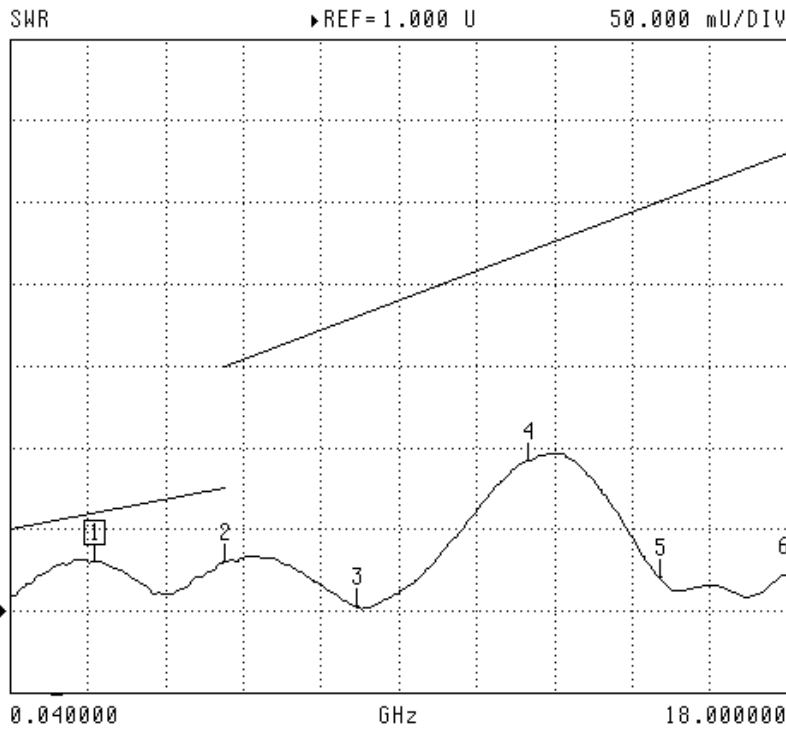
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.031 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.030 U

 3 8.032200 GHz
 1.002 U

 4 12.028300 GHz
 1.092 U

 5 15.036600 GHz
 1.021 U

 6 18.000000 GHz
 1.022 U

 MARKER READOUT
 FUNCTIONS

Sample 3

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

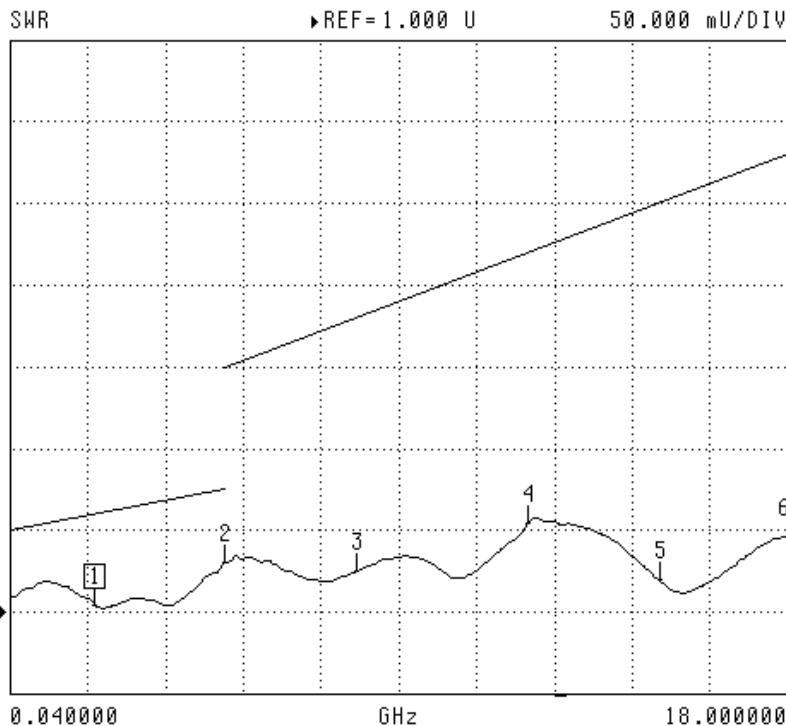
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.004 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.030 U

 3 8.032200 GHz
 1.025 U

 4 12.028300 GHz
 1.054 U

 5 15.036600 GHz
 1.019 U

 6 18.000000 GHz
 1.045 U

 MARKER READOUT
 FUNCTIONS

Sample 4

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

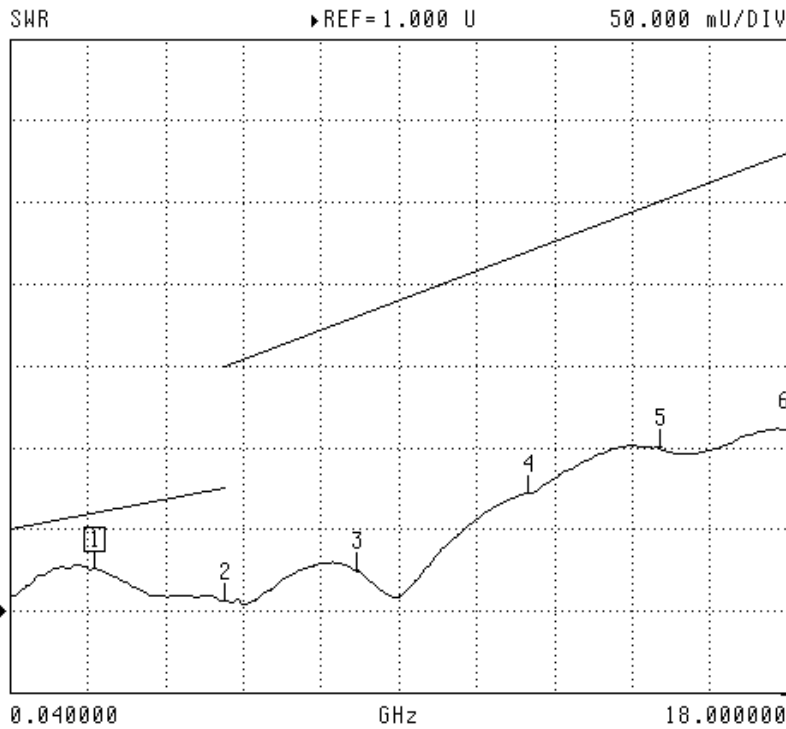
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.026 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.006 U

 3 8.032200 GHz
 1.025 U

 4 12.028300 GHz
 1.072 U

 5 15.036600 GHz
 1.100 U

 6 18.000000 GHz
 1.111 U

 MARKER READOUT
 FUNCTIONS

Sample 5

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

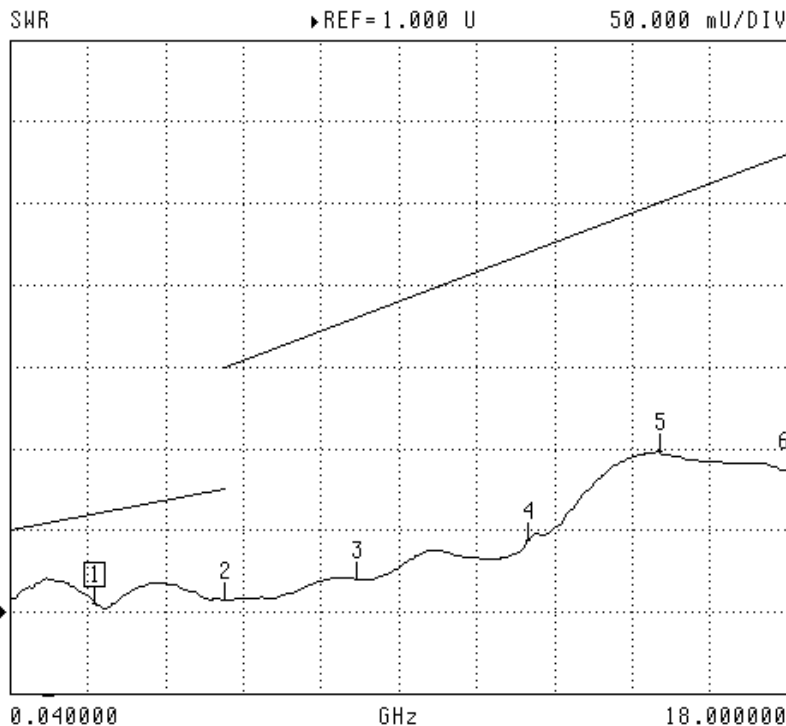
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.005 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.007 U

 3 8.032200 GHz
 1.020 U

 4 12.028300 GHz
 1.044 U

 5 15.036600 GHz
 1.098 U

 6 18.000000 GHz
 1.086 U

 MARKER READOUT
 FUNCTIONS

Sample 6

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

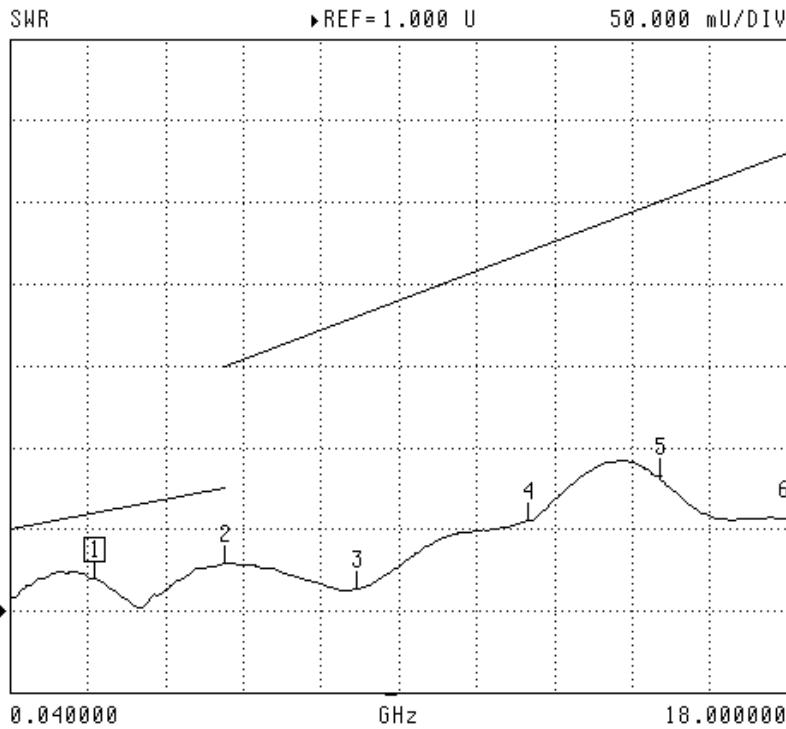
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.029 U

 3 8.032200 GHz
 1.013 U

 4 12.028300 GHz
 1.055 U

 5 15.036600 GHz
 1.082 U

 6 18.000000 GHz
 1.056 U

 MARKER READOUT
 FUNCTIONS

Sample 7

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

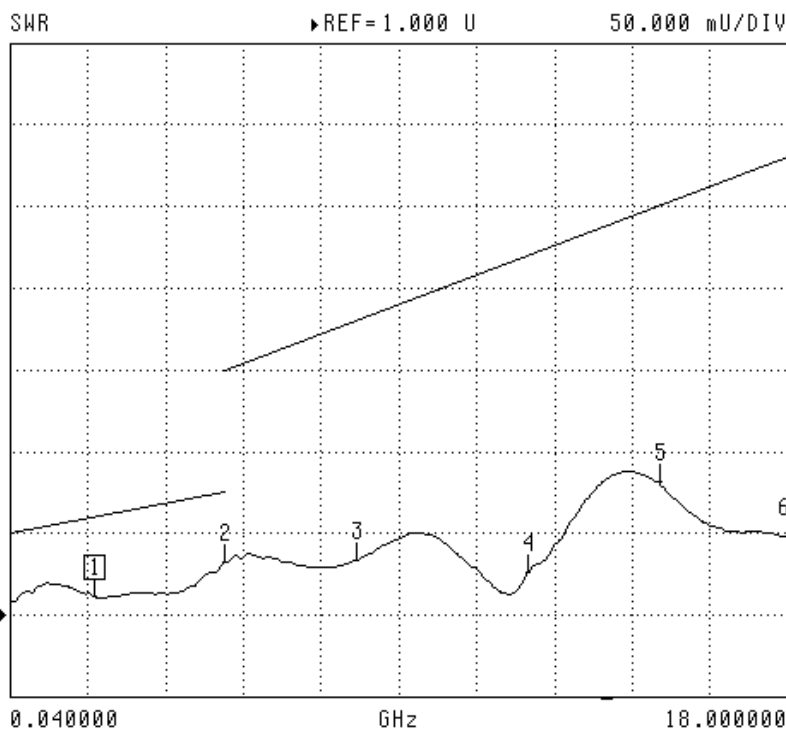
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.032 U

 3 8.032200 GHz
 1.033 U

 4 12.028300 GHz
 1.026 U

 5 15.036600 GHz
 1.081 U

 6 18.000000 GHz
 1.047 U

 MARKER READOUT
 FUNCTIONS

Sample 8

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

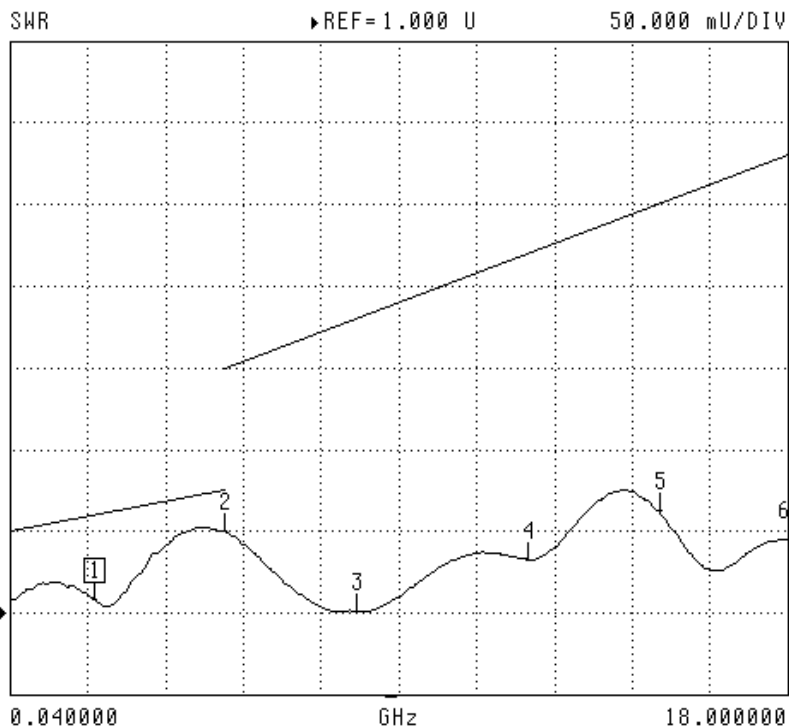
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.050 U

 3 8.032200 GHz
 1.001 U

 4 12.028300 GHz
 1.033 U

 5 15.036600 GHz
 1.062 U

 6 18.000000 GHz
 1.045 U

 MARKER READOUT
 FUNCTIONS

Sample 9

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

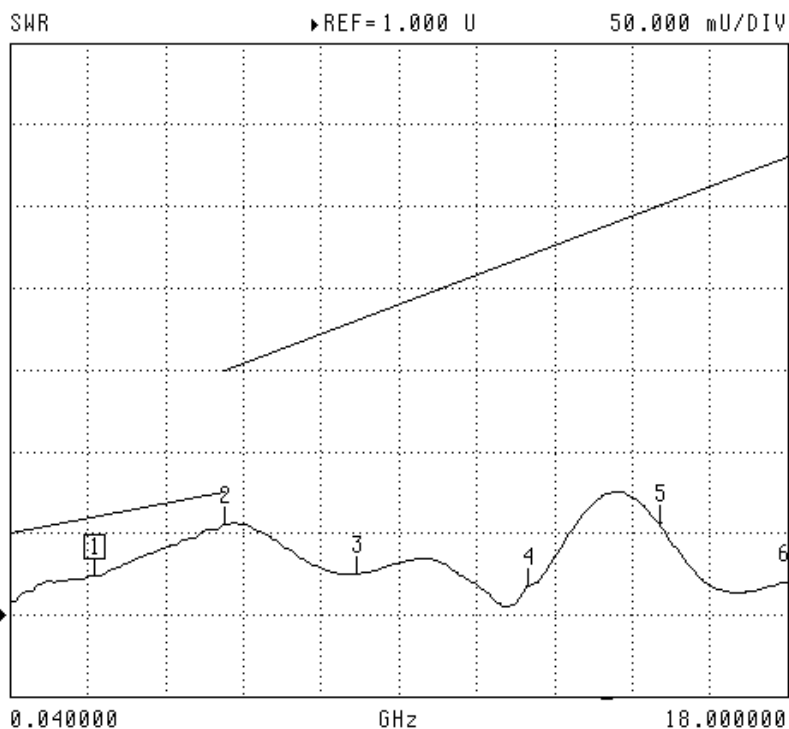
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.023 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.055 U

 3 8.032200 GHz
 1.025 U

 4 12.028300 GHz
 1.018 U

 5 15.036600 GHz
 1.056 U

 6 18.000000 GHz
 1.020 U

 MARKER READOUT
 FUNCTIONS

Sample 10

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

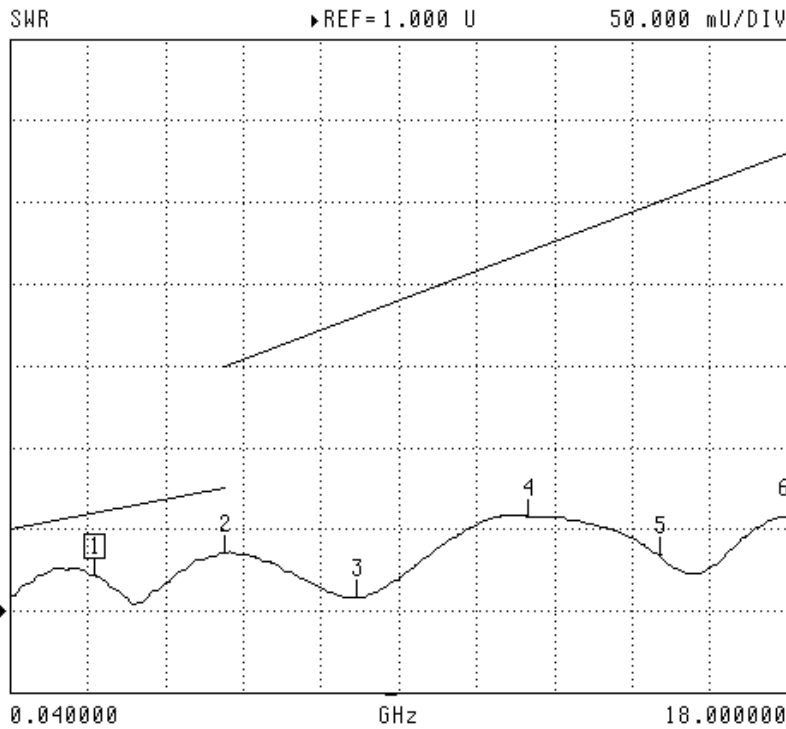
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.022 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.036 U

 3 8.032200 GHz
 1.008 U

 4 12.028300 GHz
 1.057 U

 5 15.036600 GHz
 1.034 U

 6 18.000000 GHz
 1.058 U

 MARKER READOUT
 FUNCTIONS

Sample 11

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

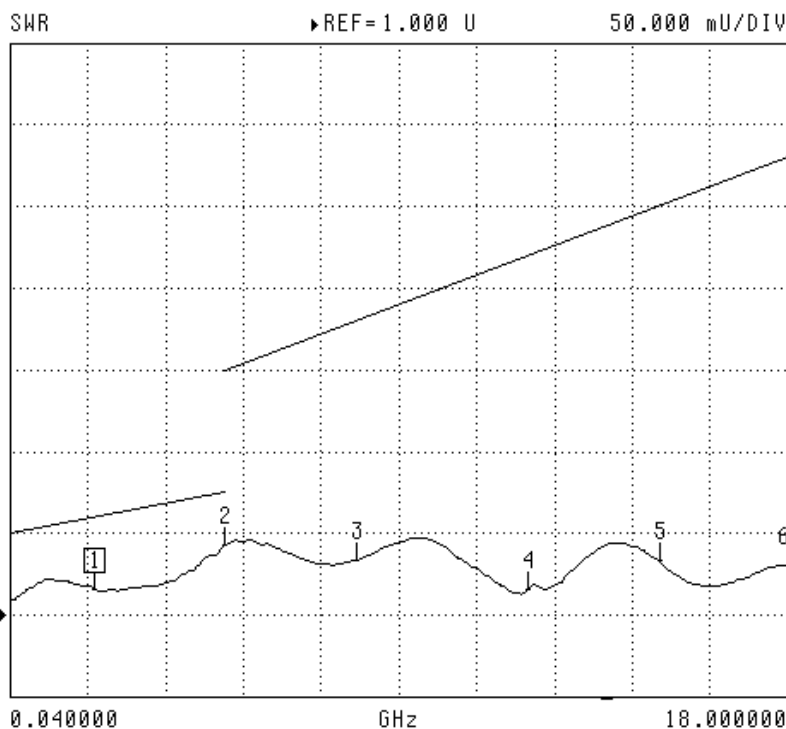
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.015 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.043 U

 3 8.032200 GHz
 1.034 U

 4 12.028300 GHz
 1.016 U

 5 15.036600 GHz
 1.034 U

 6 18.000000 GHz
 1.031 U

 MARKER READOUT
 FUNCTIONS

Sample 12

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

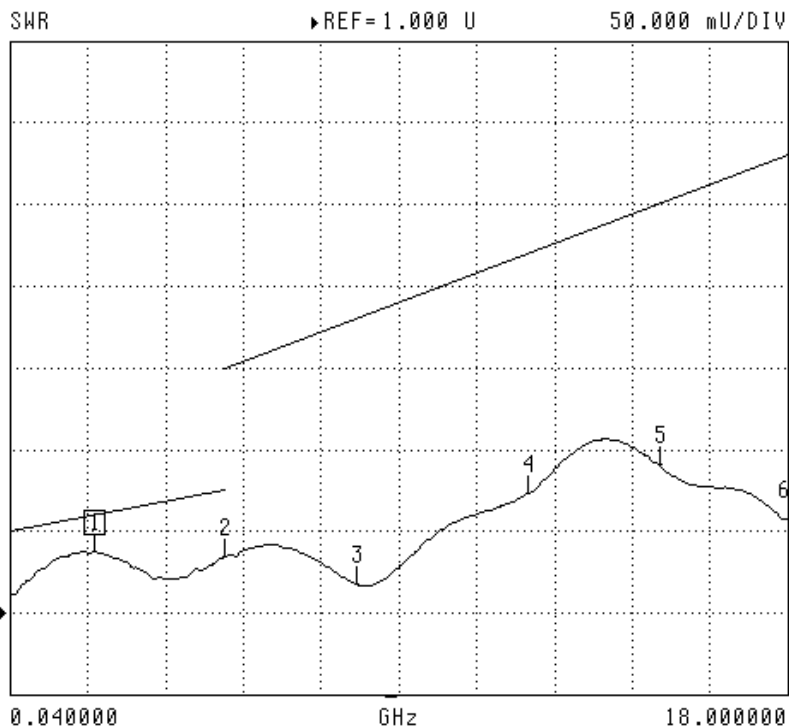
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.037 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.034 U

 3 8.032200 GHz
 1.018 U

 4 12.028300 GHz
 1.073 U

 5 15.036600 GHz
 1.091 U

 6 18.000000 GHz
 1.057 U

 MARKER READOUT
 FUNCTIONS

Sample 13

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

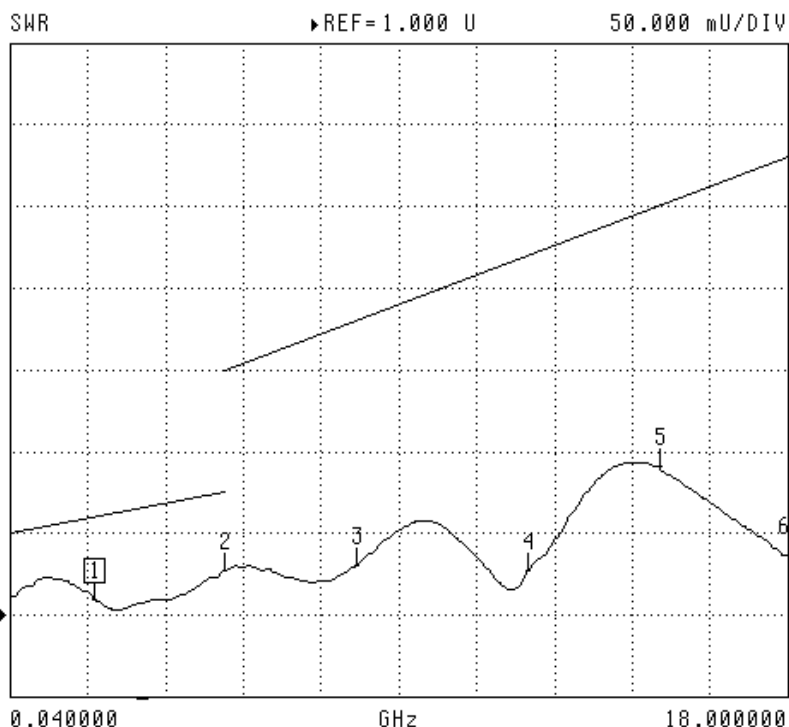
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.027 U

 3 8.032200 GHz
 1.030 U

 4 12.028300 GHz
 1.027 U

 5 15.036600 GHz
 1.090 U

 6 18.000000 GHz
 1.037 U

 MARKER READOUT
 FUNCTIONS

Sample 14

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

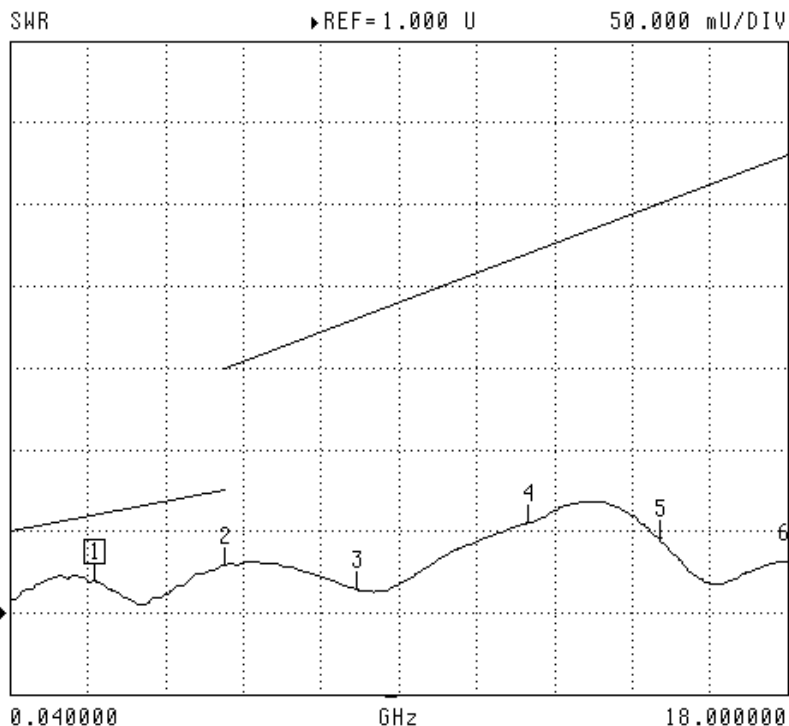
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.019 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.029 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.055 U

 5 15.036600 GHz
 1.046 U

 6 18.000000 GHz
 1.031 U

 MARKER READOUT
 FUNCTIONS

Sample 15

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

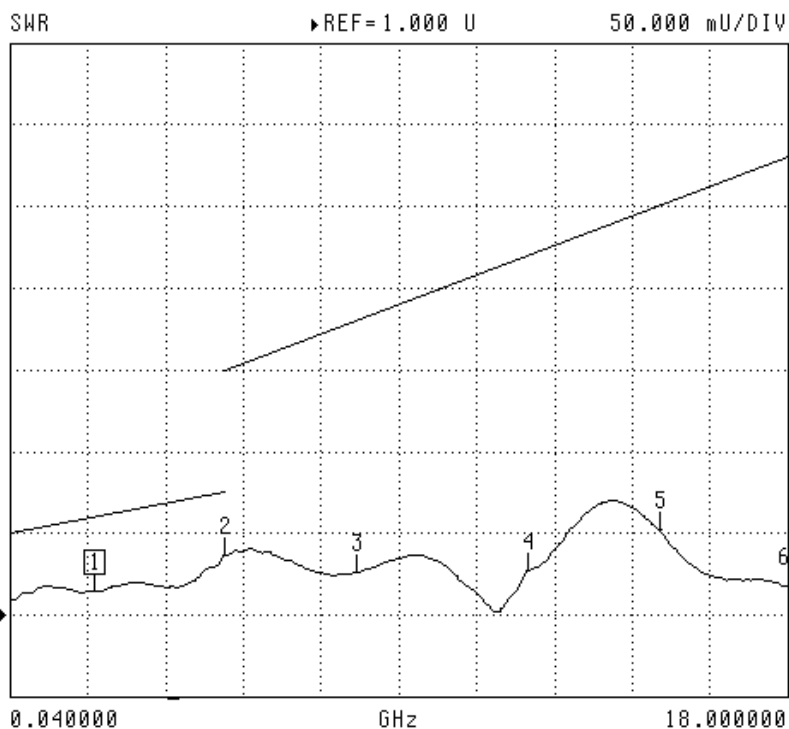
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.014 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.036 U

 3 8.032200 GHz
 1.026 U

 4 12.028300 GHz
 1.027 U

 5 15.036600 GHz
 1.053 U

 6 18.000000 GHz
 1.018 U

 MARKER READOUT
 FUNCTIONS

Sample 16

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

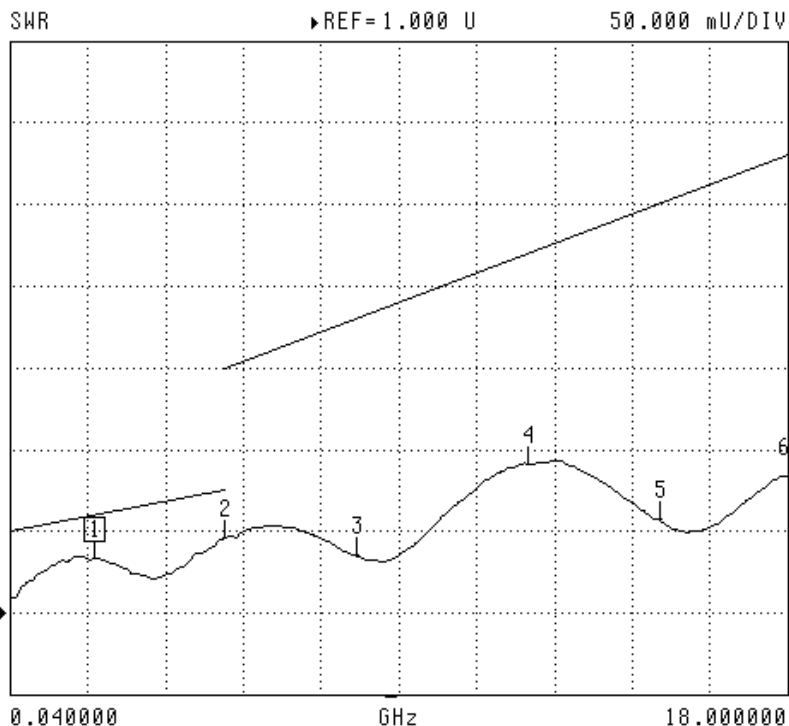
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.033 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.046 U

 3 8.032200 GHz
 1.035 U

 4 12.028300 GHz
 1.091 U

 5 15.036600 GHz
 1.057 U

 6 18.000000 GHz
 1.084 U

 MARKER READOUT
 FUNCTIONS

Sample 17

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

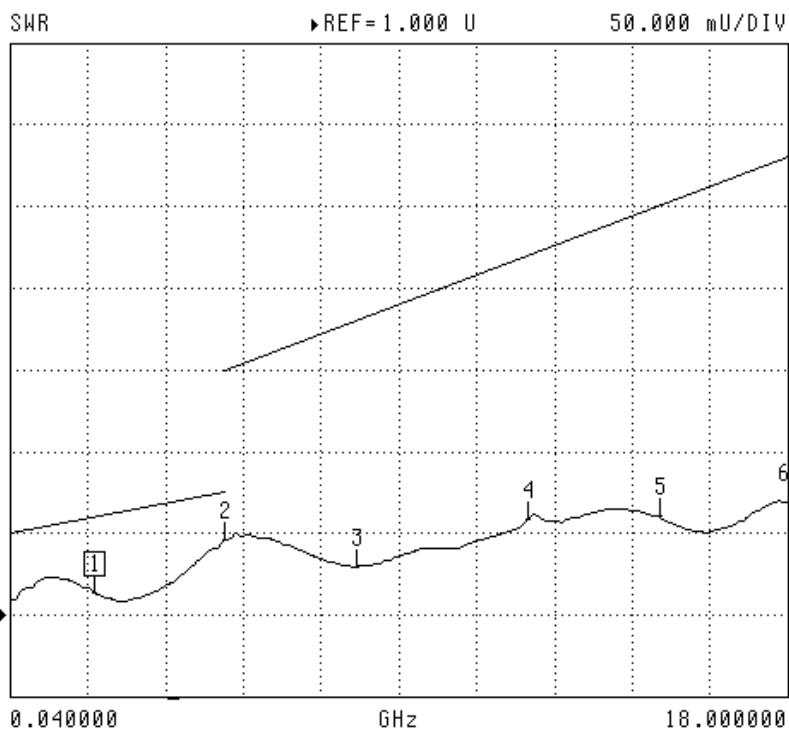
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.013 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.046 U

 3 8.032200 GHz
 1.030 U

 4 12.028300 GHz
 1.059 U

 5 15.036600 GHz
 1.060 U

 6 18.000000 GHz
 1.069 U

 MARKER READOUT
 FUNCTIONS

Sample 18

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

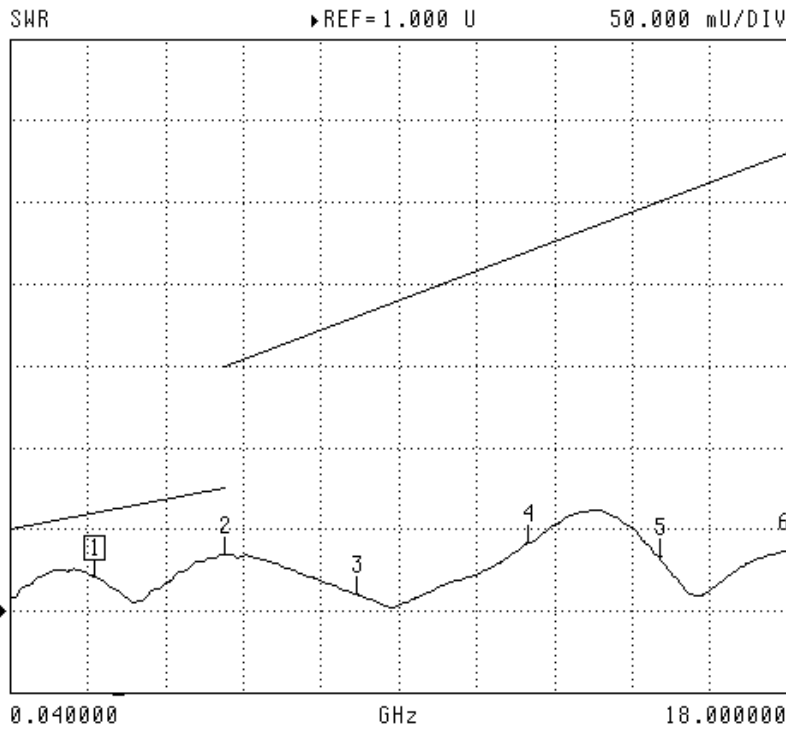
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.034 U

 3 8.032200 GHz
 1.010 U

 4 12.028300 GHz
 1.041 U

 5 15.036600 GHz
 1.033 U

 6 18.000000 GHz
 1.036 U

 MARKER READOUT
 FUNCTIONS

Sample 19

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

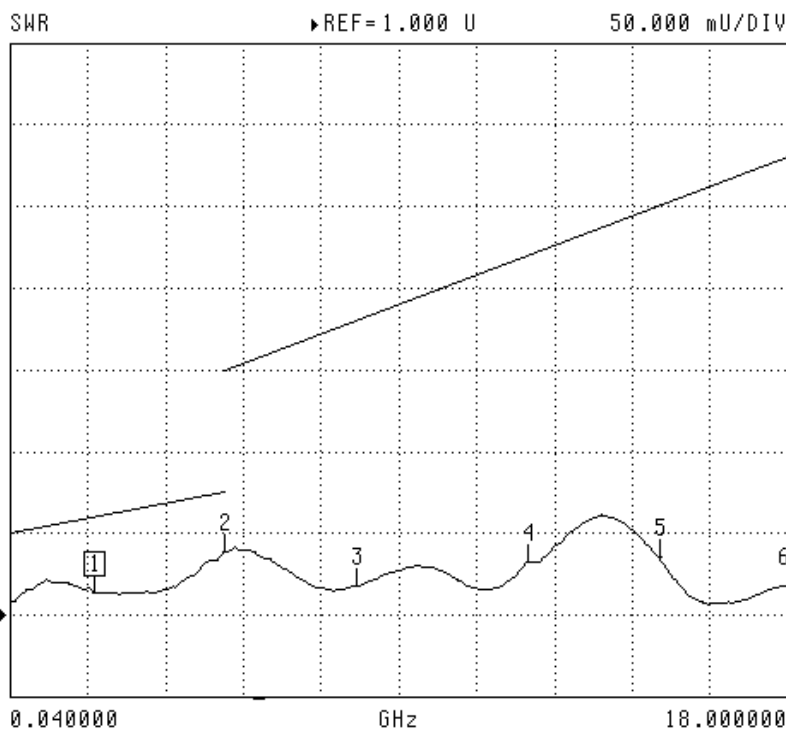
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.014 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.039 U

 3 8.032200 GHz
 1.017 U

 4 12.028300 GHz
 1.033 U

 5 15.036600 GHz
 1.035 U

 6 18.000000 GHz
 1.018 U

 MARKER READOUT
 FUNCTIONS

Sample 20

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

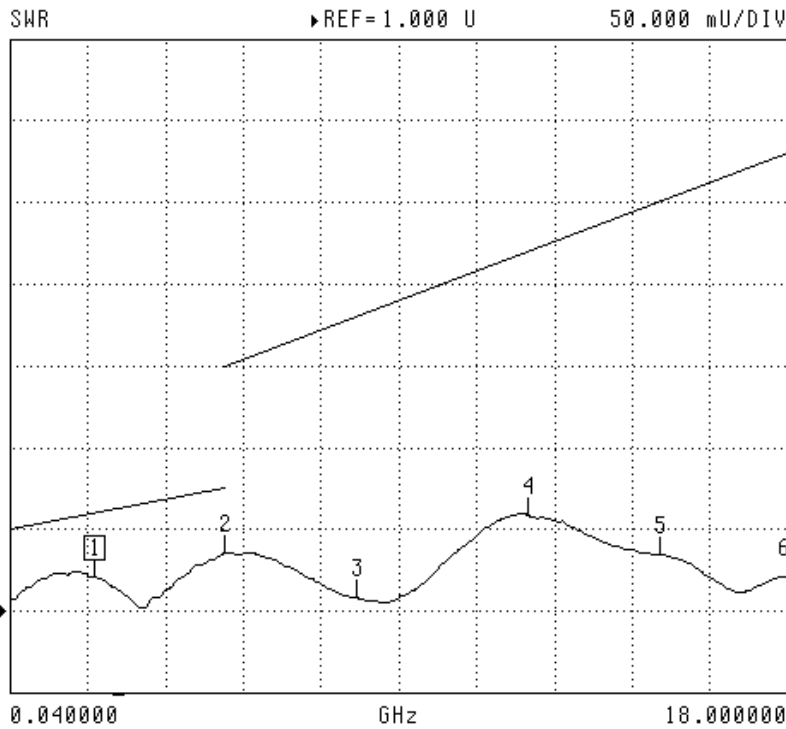
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.035 U

 3 8.032200 GHz
 1.008 U

 4 12.028300 GHz
 1.058 U

 5 15.036600 GHz
 1.034 U

 6 18.000000 GHz
 1.021 U

 MARKER READOUT
 FUNCTIONS

Sample 21

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

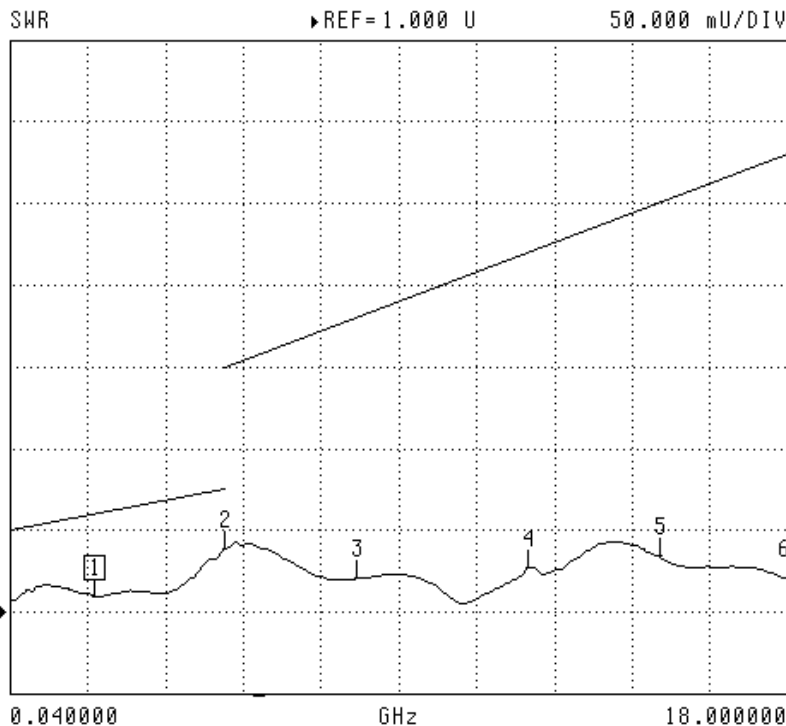
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.039 U

 3 8.032200 GHz
 1.020 U

 4 12.028300 GHz
 1.027 U

 5 15.036600 GHz
 1.034 U

 6 18.000000 GHz
 1.020 U

 MARKER READOUT
 FUNCTIONS

Sample 22

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

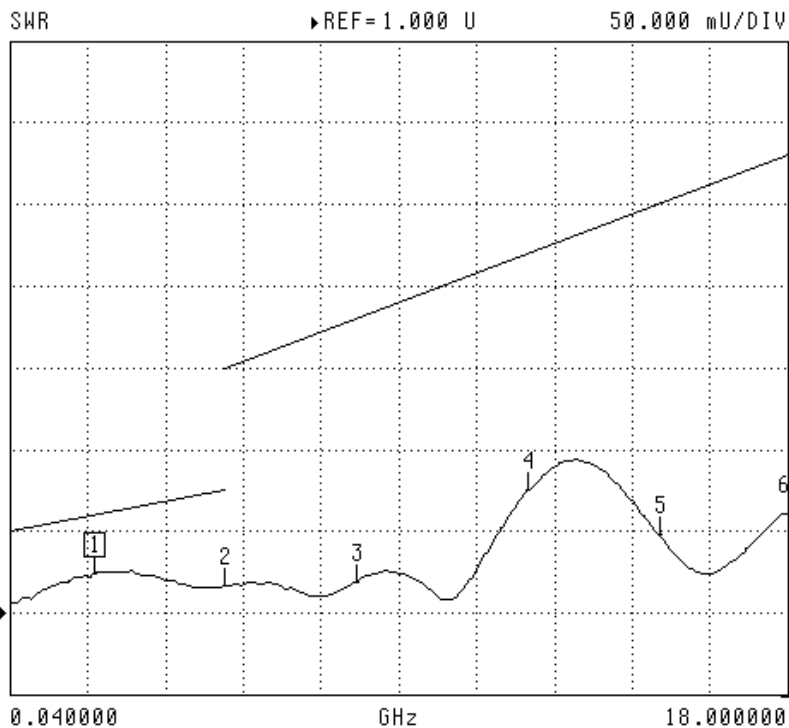
Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION


 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.024 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.019 U

 4 12.028300 GHz
 1.075 U

 5 15.036600 GHz
 1.048 U

 6 18.000000 GHz
 1.060 U

 MARKER READOUT
 FUNCTIONS

Sample 23

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

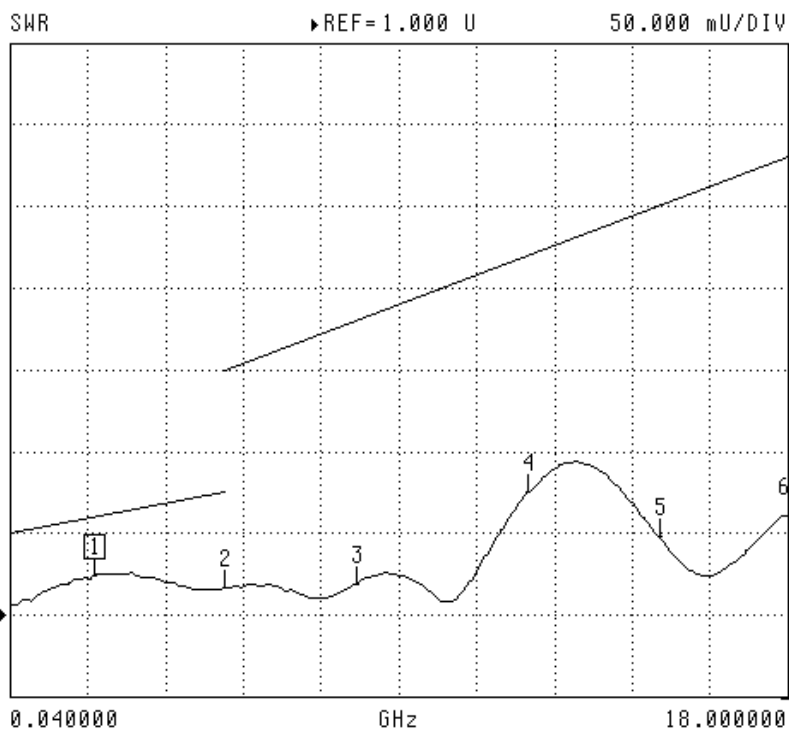
Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION


 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.024 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.019 U

 4 12.028300 GHz
 1.075 U

 5 15.036600 GHz
 1.048 U

 6 18.000000 GHz
 1.060 U

 MARKER READOUT
 FUNCTIONS

Sample 24

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

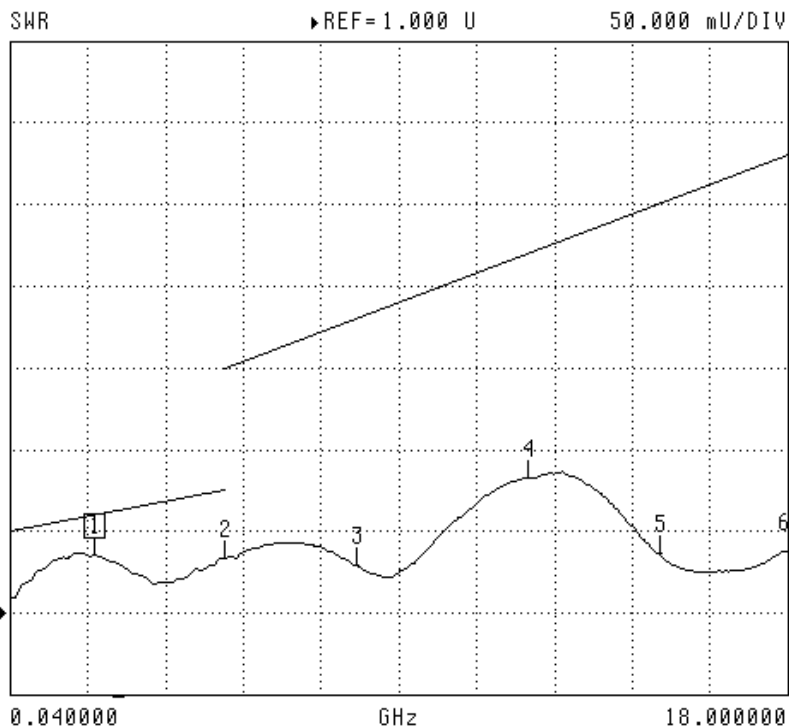
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.035 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.034 U

 3 8.032200 GHz
 1.029 U

 4 12.028300 GHz
 1.083 U

 5 15.036600 GHz
 1.036 U

 6 18.000000 GHz
 1.038 U

 MARKER READOUT
 FUNCTIONS

Sample 25

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

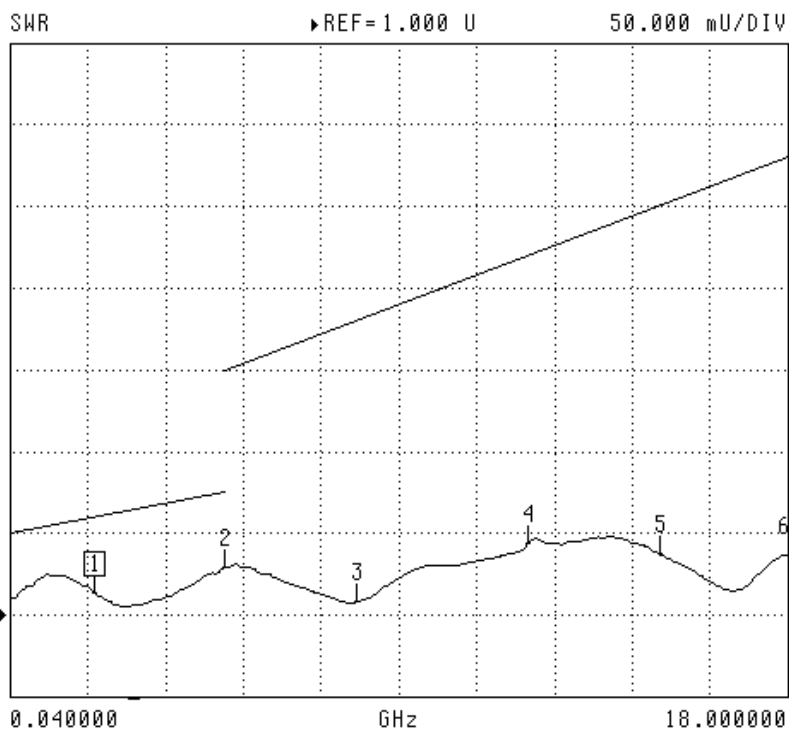
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.013 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.029 U

 3 8.032200 GHz
 1.008 U

 4 12.028300 GHz
 1.044 U

 5 15.036600 GHz
 1.038 U

 6 18.000000 GHz
 1.036 U

 MARKER READOUT
 FUNCTIONS

Sample 26

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

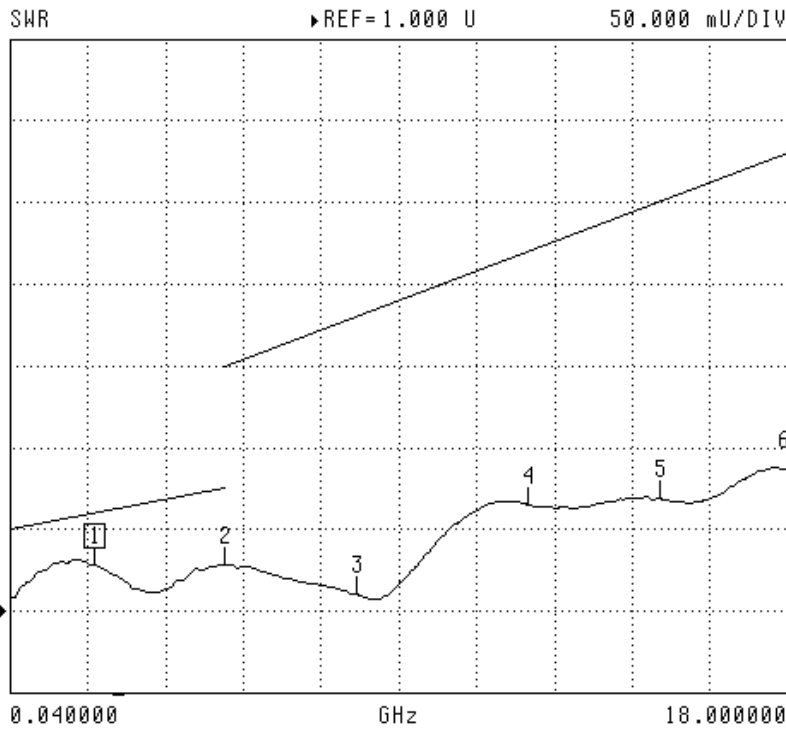
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.028 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.028 U

 3 8.032200 GHz
 1.010 U

 4 12.028300 GHz
 1.065 U

 5 15.036600 GHz
 1.069 U

 6 18.000000 GHz
 1.087 U

 MARKER READOUT
 FUNCTIONS

Sample 27

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

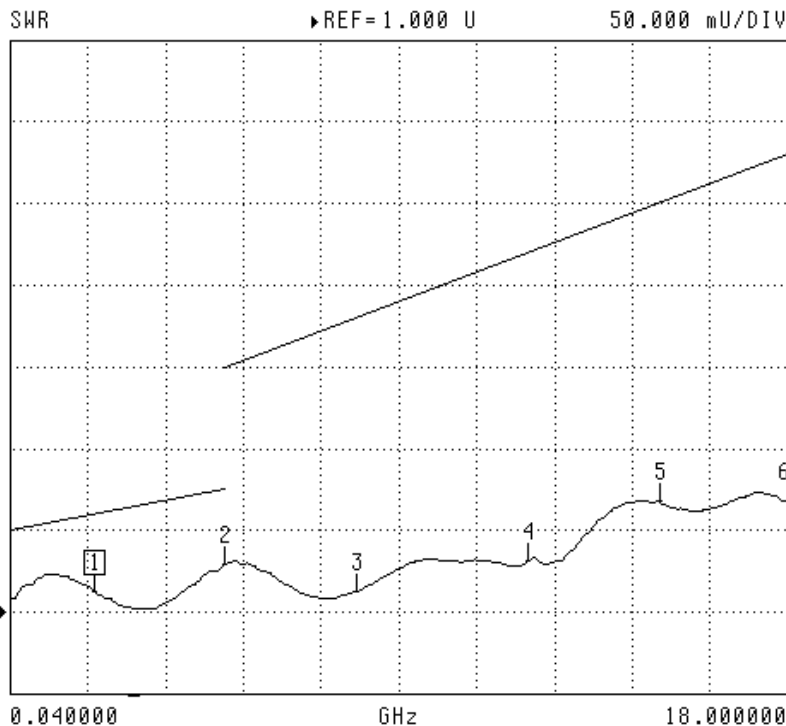
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.012 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.029 U

 3 8.032200 GHz
 1.012 U

 4 12.028300 GHz
 1.031 U

 5 15.036600 GHz
 1.068 U

 6 18.000000 GHz
 1.068 U

 MARKER READOUT
 FUNCTIONS

Sample 28

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

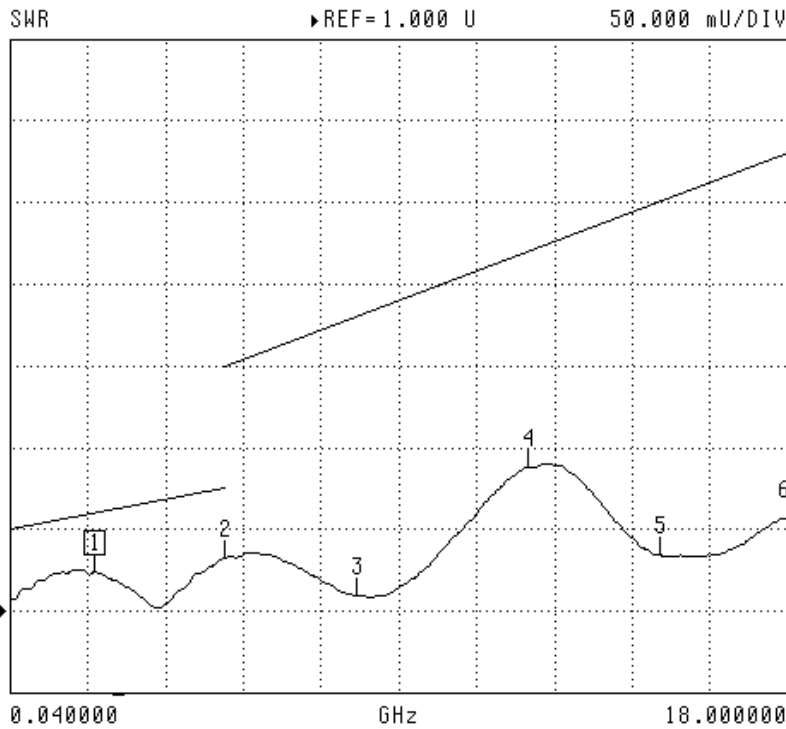
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.023 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.032 U

 3 8.032200 GHz
 1.009 U

 4 12.028300 GHz
 1.088 U

 5 15.036600 GHz
 1.035 U

 6 18.000000 GHz
 1.057 U

 MARKER READOUT
 FUNCTIONS

Sample 29

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

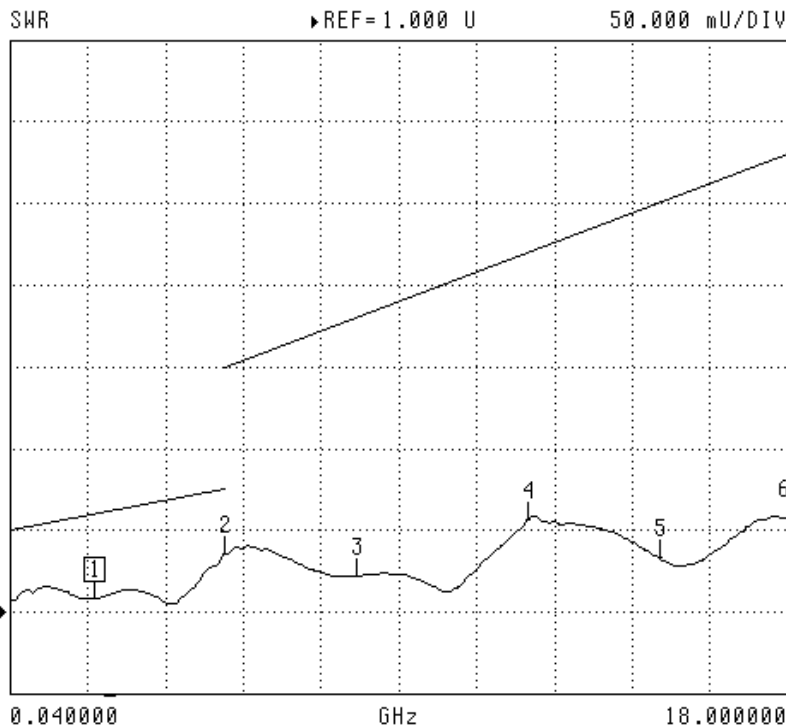
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.035 U

 3 8.032200 GHz
 1.022 U

 4 12.028300 GHz
 1.057 U

 5 15.036600 GHz
 1.034 U

 6 18.000000 GHz
 1.057 U

 MARKER READOUT
 FUNCTIONS

Sample 30

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

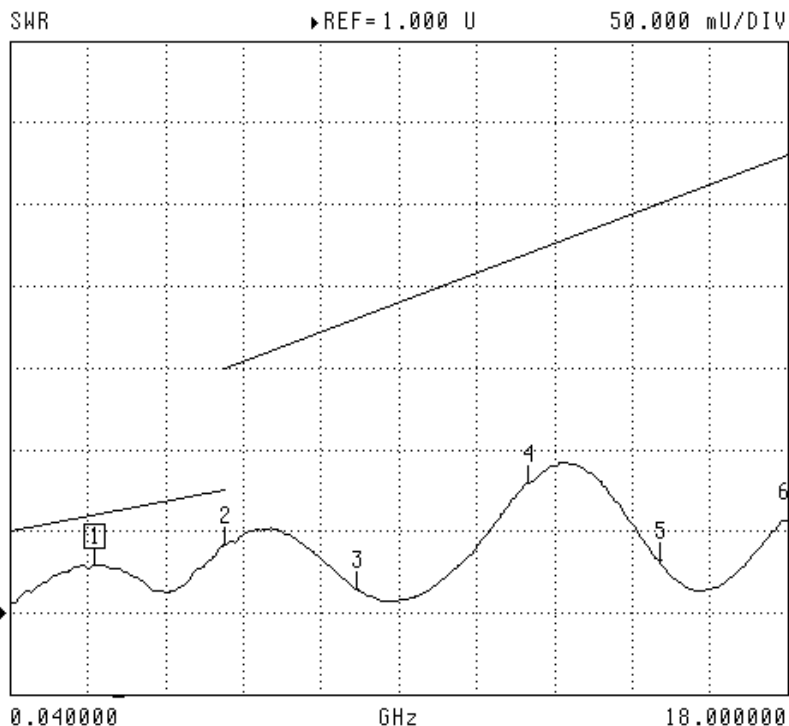
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.029 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.041 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.080 U

 5 15.036600 GHz
 1.032 U

 6 18.000000 GHz
 1.056 U

 MARKER READOUT
 FUNCTIONS

Sample 31

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

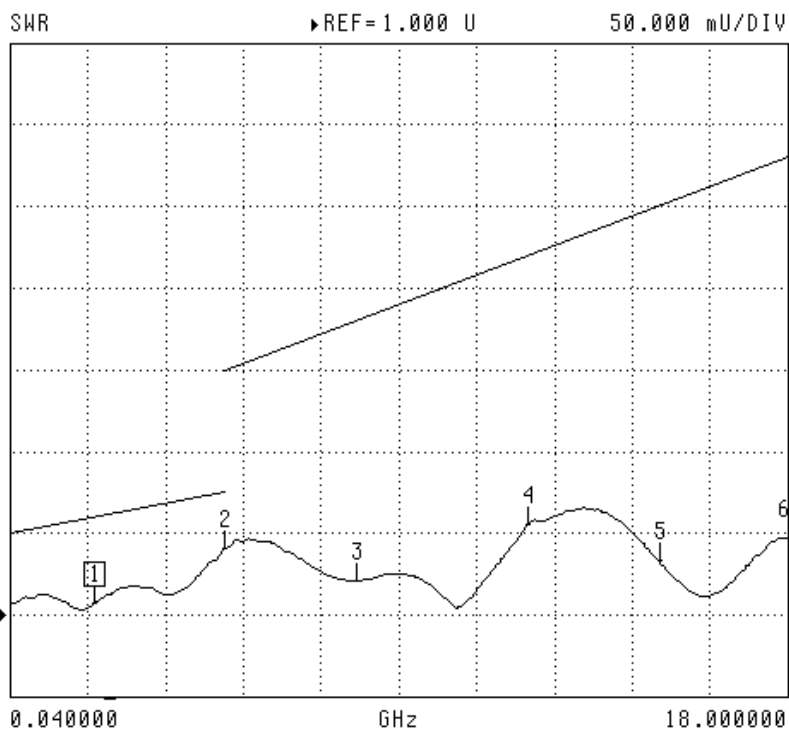
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.007 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.041 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.056 U

 5 15.036600 GHz
 1.033 U

 6 18.000000 GHz
 1.047 U

 MARKER READOUT
 FUNCTIONS

Sample 32

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

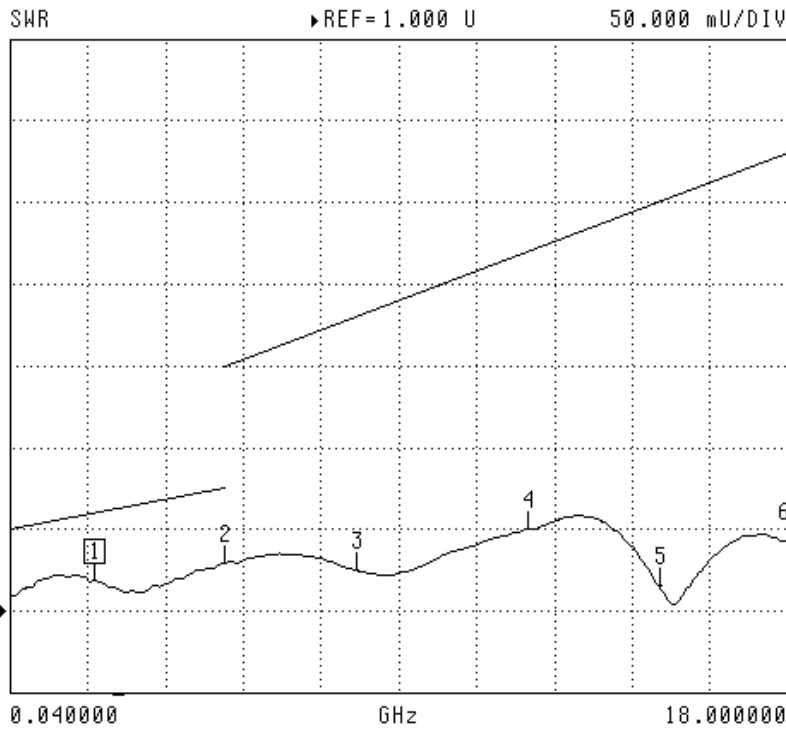
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.019 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.029 U

 3 8.032200 GHz
 1.025 U

 4 12.028300 GHz
 1.050 U

 5 15.036600 GHz
 1.016 U

 6 18.000000 GHz
 1.043 U

 MARKER READOUT
 FUNCTIONS

Sample 33

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

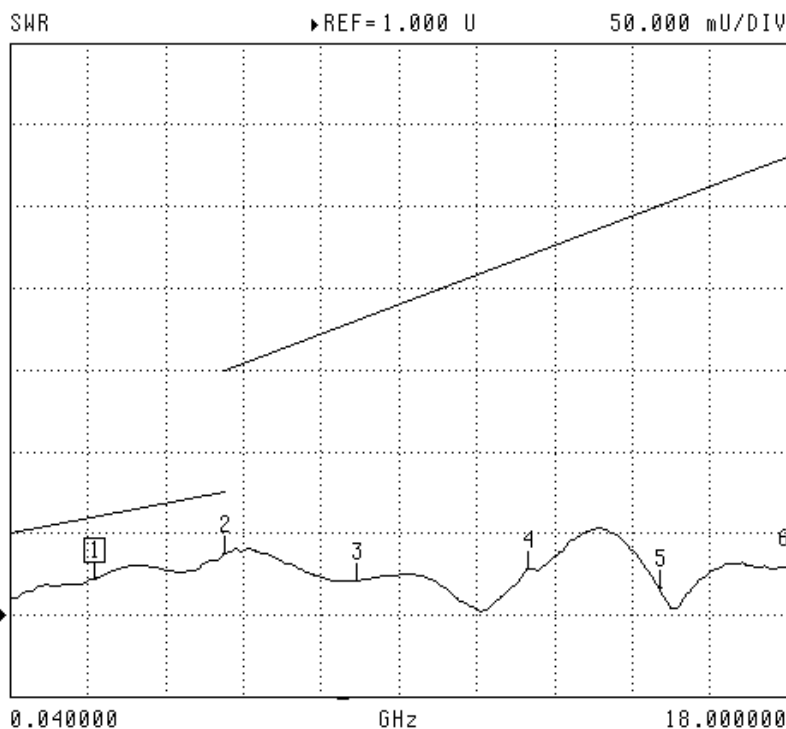
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.022 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.038 U

 3 8.032200 GHz
 1.021 U

 4 12.028300 GHz
 1.028 U

 5 15.036600 GHz
 1.017 U

 6 18.000000 GHz
 1.029 U

 MARKER READOUT
 FUNCTIONS

Sample 34

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

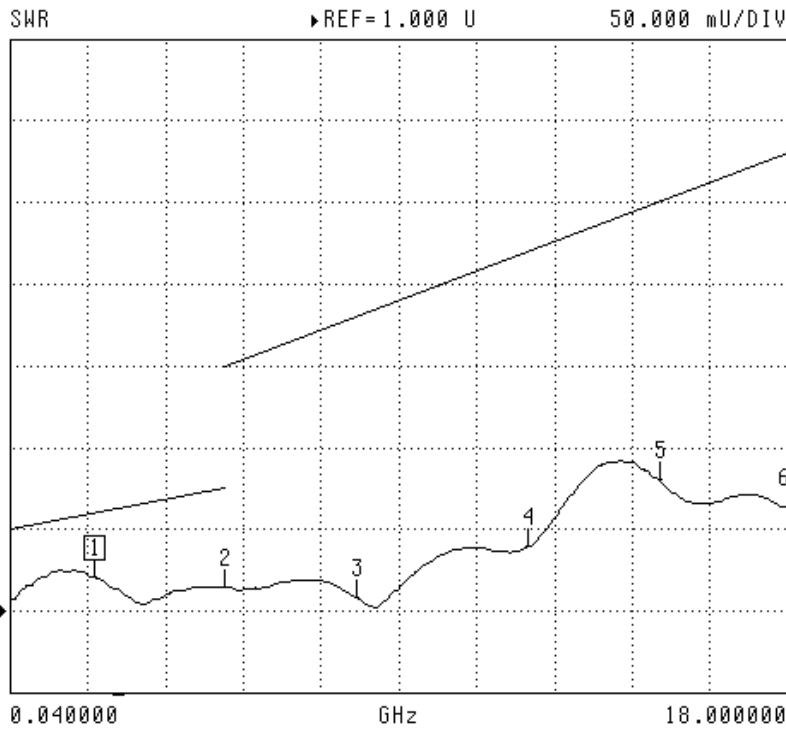
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.014 U

 3 8.032200 GHz
 1.008 U

 4 12.028300 GHz
 1.039 U

 5 15.036600 GHz
 1.080 U

 6 18.000000 GHz
 1.063 U

 MARKER READOUT
 FUNCTIONS

Sample 35

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

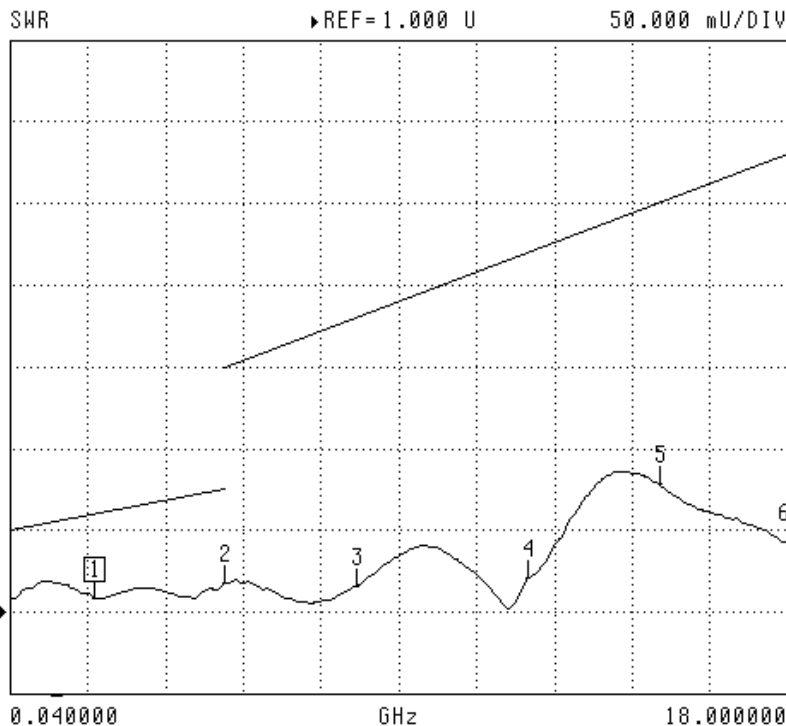
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.018 U

 3 8.032200 GHz
 1.016 U

 4 12.028300 GHz
 1.021 U

 5 15.036600 GHz
 1.079 U

 6 18.000000 GHz
 1.043 U

 MARKER READOUT
 FUNCTIONS

Sample 95

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

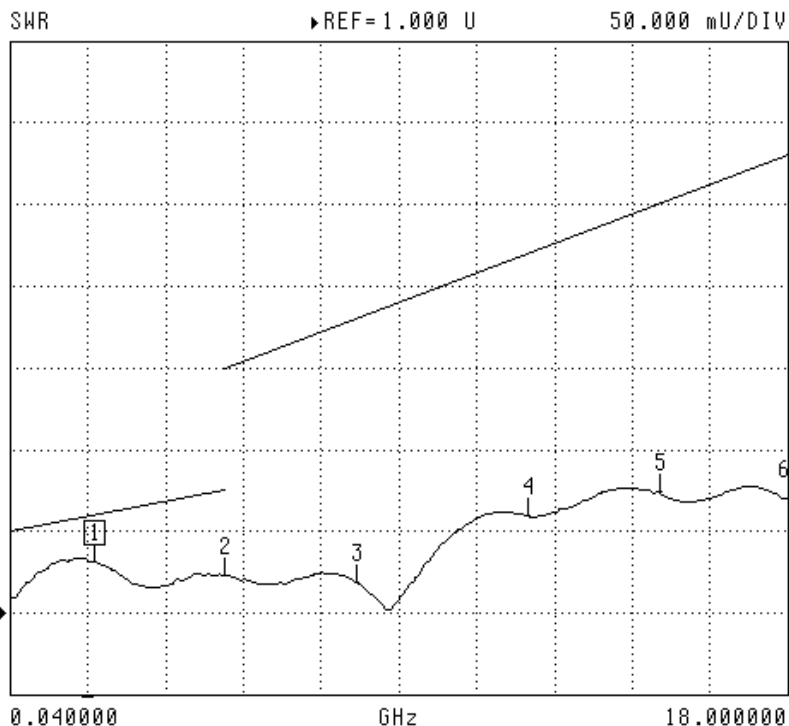
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.031 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.019 U

 4 12.028300 GHz
 1.059 U

 5 15.036600 GHz
 1.074 U

 6 18.000000 GHz
 1.070 U

 MARKER READOUT
 FUNCTIONS

Sample 96

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

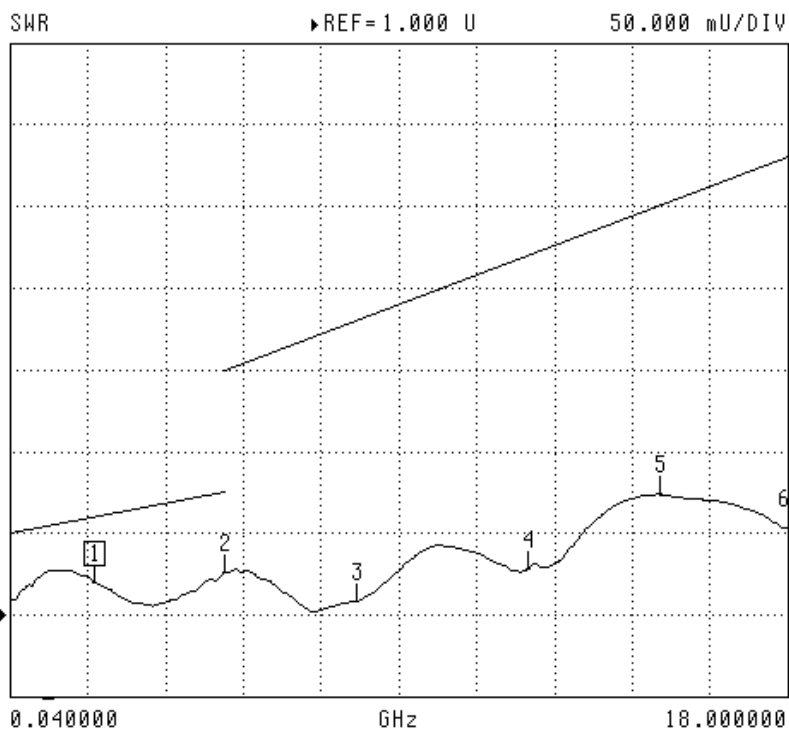
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.008 U

 4 12.028300 GHz
 1.029 U

 5 15.036600 GHz
 1.074 U

 6 18.000000 GHz
 1.053 U

 MARKER READOUT
 FUNCTIONS

Sample 97

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

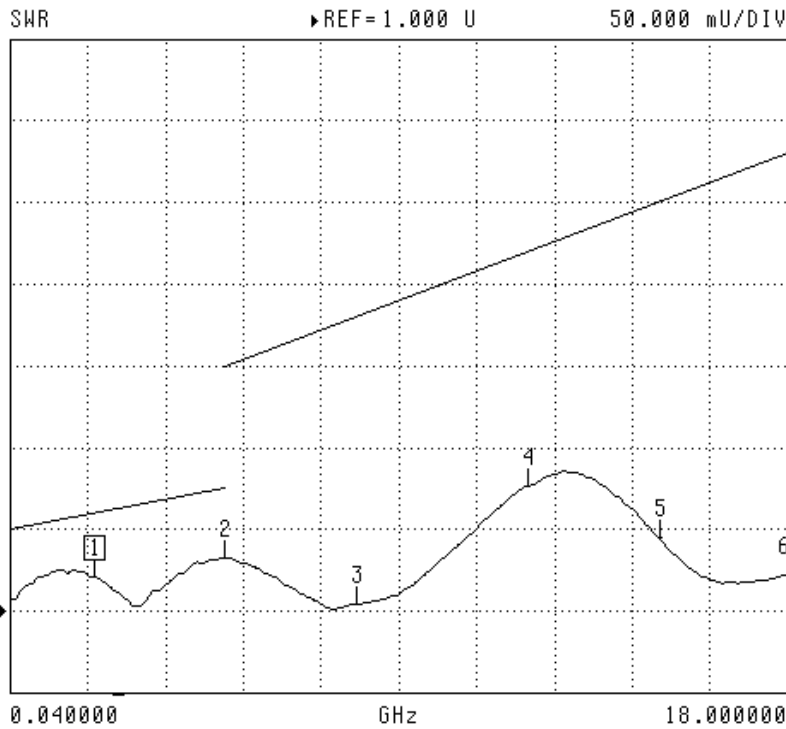
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.032 U

 3 8.032200 GHz
 1.004 U

 4 12.028300 GHz
 1.077 U

 5 15.036600 GHz
 1.045 U

 6 18.000000 GHz
 1.022 U

 MARKER READOUT
 FUNCTIONS

Sample 98

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

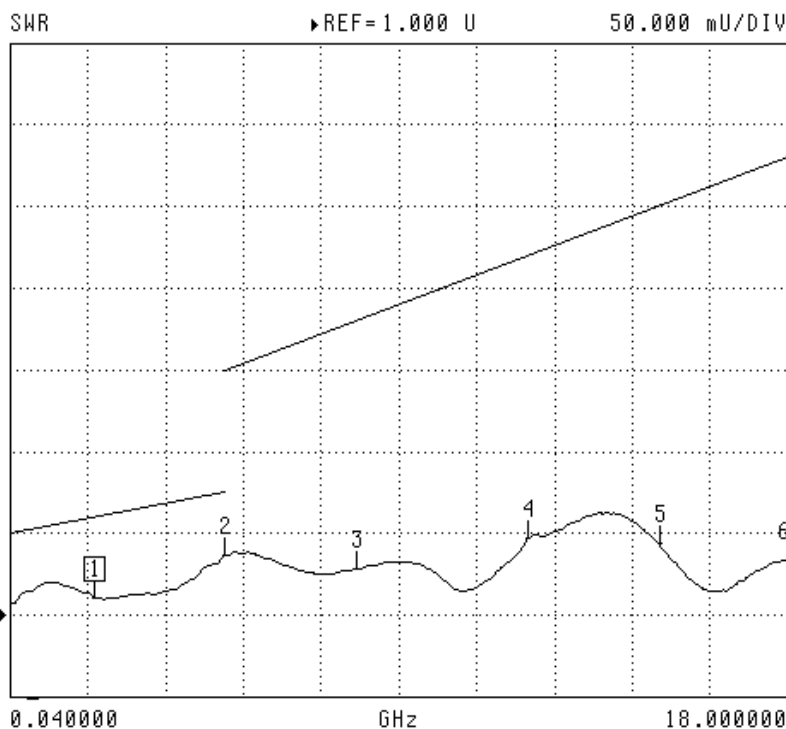
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.036 U

 3 8.032200 GHz
 1.028 U

 4 12.028300 GHz
 1.047 U

 5 15.036600 GHz
 1.043 U

 6 18.000000 GHz
 1.033 U

 MARKER READOUT
 FUNCTIONS

Sample 99

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

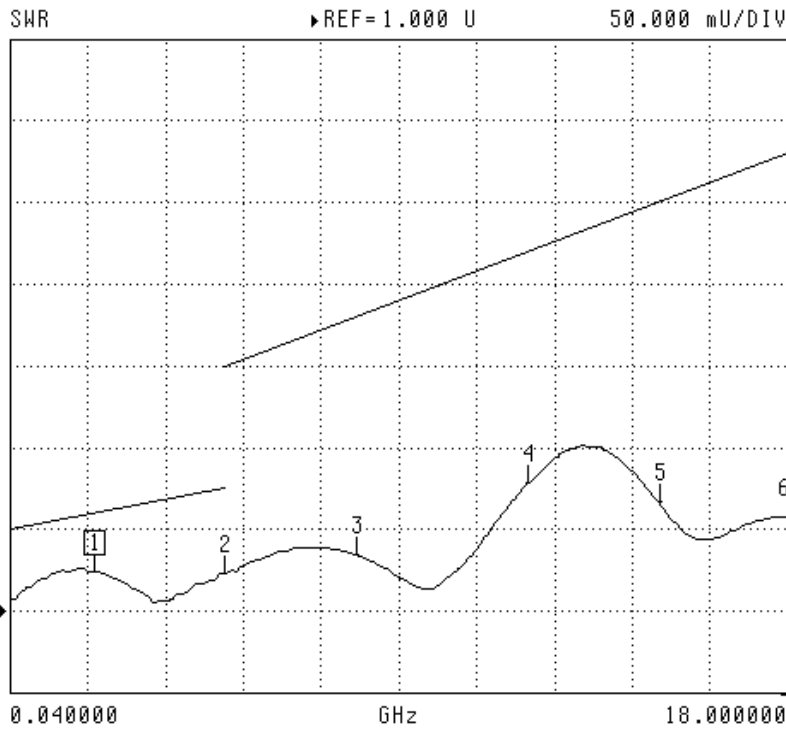
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.024 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.034 U

 4 12.028300 GHz
 1.078 U

 5 15.036600 GHz
 1.067 U

 6 18.000000 GHz
 1.057 U

 MARKER READOUT
 FUNCTIONS

Sample 100

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

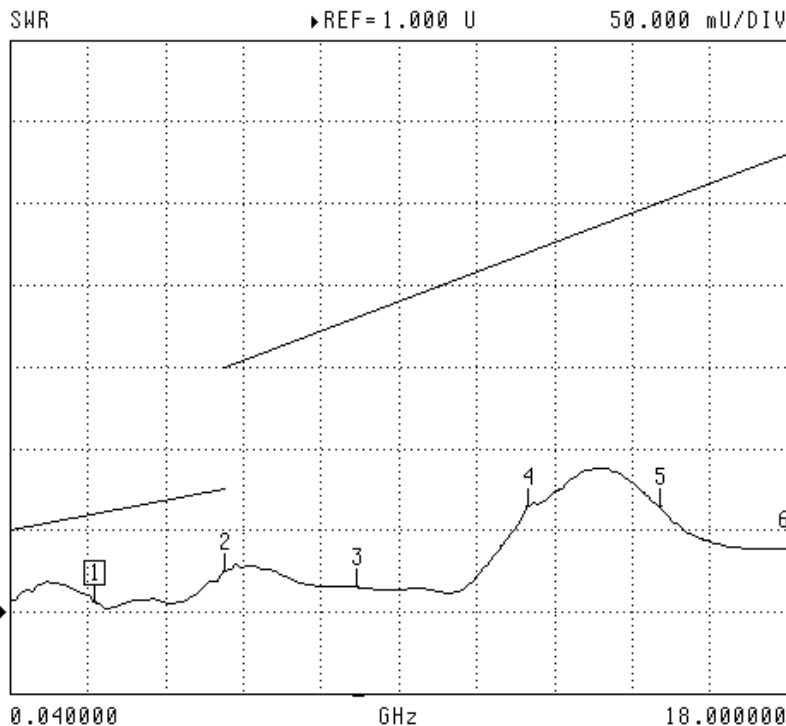
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.006 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.025 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.064 U

 5 15.036600 GHz
 1.065 U

 6 18.000000 GHz
 1.039 U

 MARKER READOUT
 FUNCTIONS

Sample 101

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

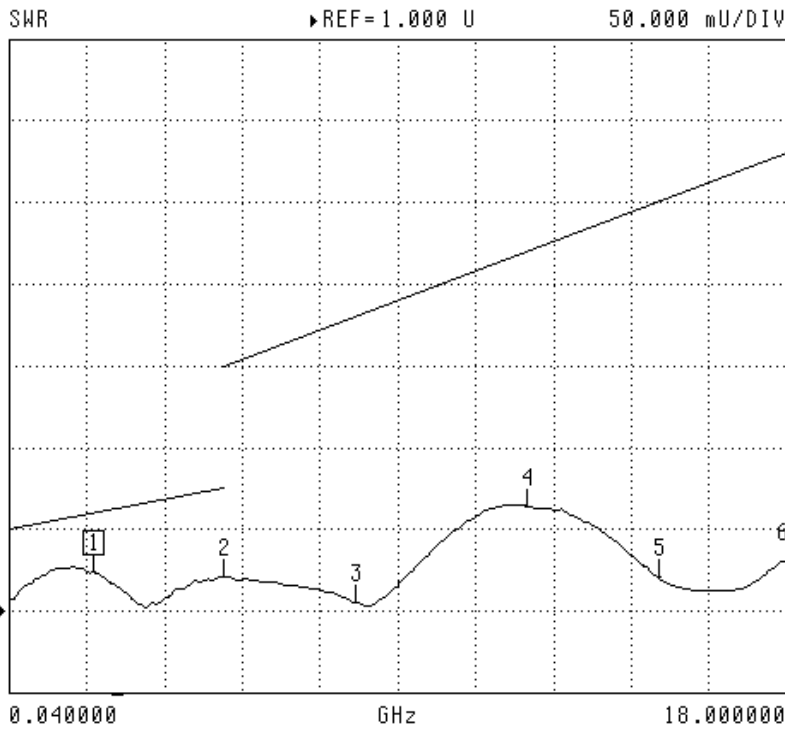
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.024 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.021 U

 3 8.032200 GHz
 1.005 U

 4 12.028300 GHz
 1.064 U

 5 15.036600 GHz
 1.021 U

 6 18.000000 GHz
 1.030 U

 MARKER READOUT
 FUNCTIONS

Sample 102

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

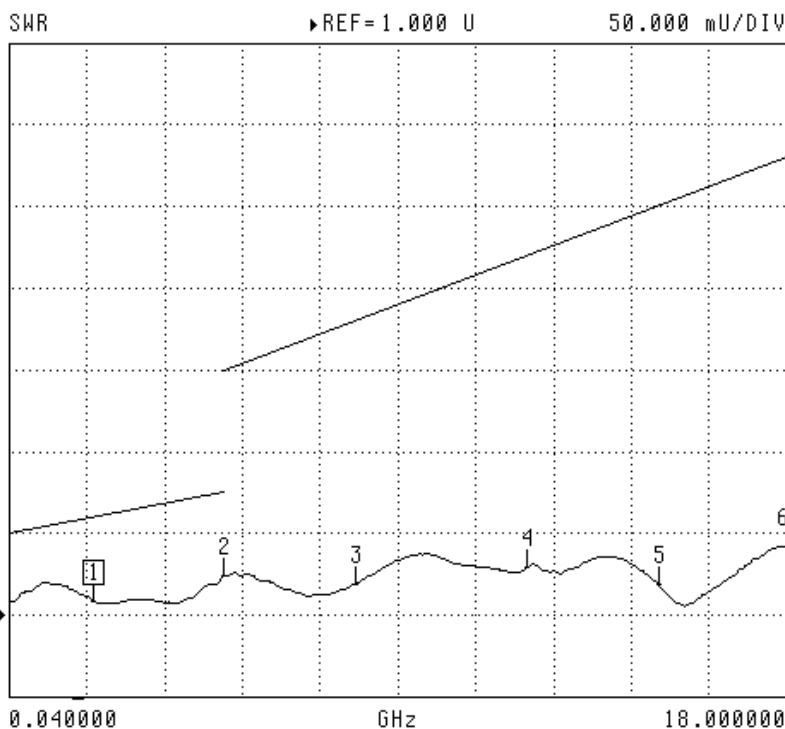
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.008 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.019 U

 4 12.028300 GHz
 1.029 U

 5 15.036600 GHz
 1.019 U

 6 18.000000 GHz
 1.042 U

 MARKER READOUT
 FUNCTIONS

Sample 103

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

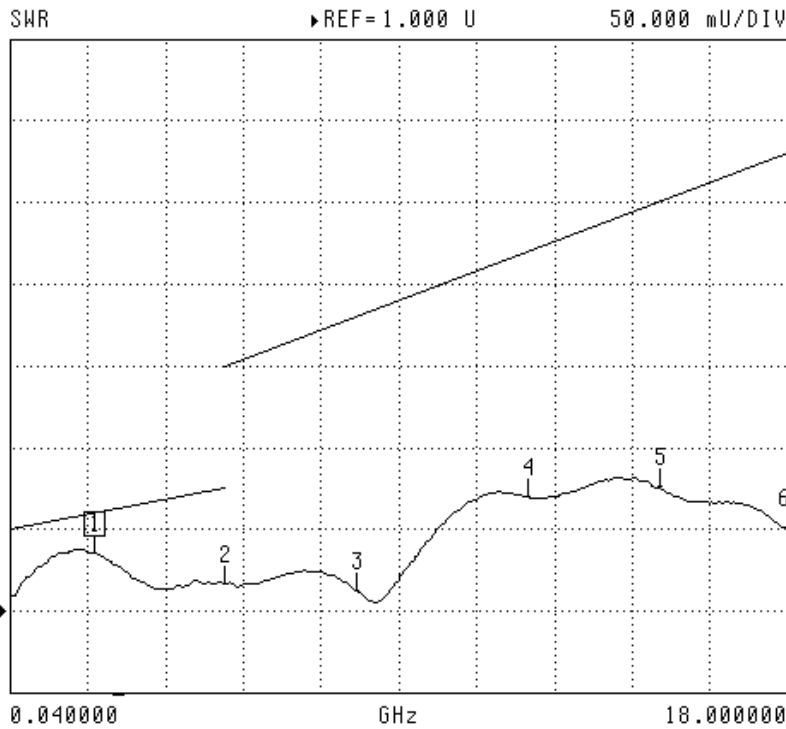
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.035 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.013 U

 4 12.028300 GHz
 1.069 U

 5 15.036600 GHz
 1.076 U

 6 18.000000 GHz
 1.051 U

 MARKER READOUT
 FUNCTIONS

Sample 104

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

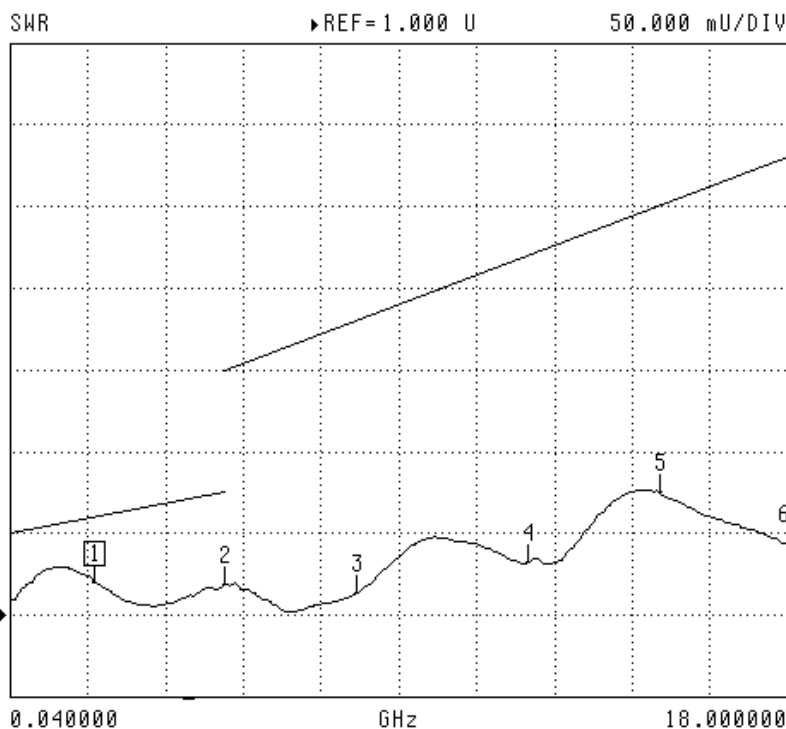
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.018 U

 3 8.032200 GHz
 1.013 U

 4 12.028300 GHz
 1.033 U

 5 15.036600 GHz
 1.075 U

 6 18.000000 GHz
 1.044 U

 MARKER READOUT
 FUNCTIONS

Sample 105

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

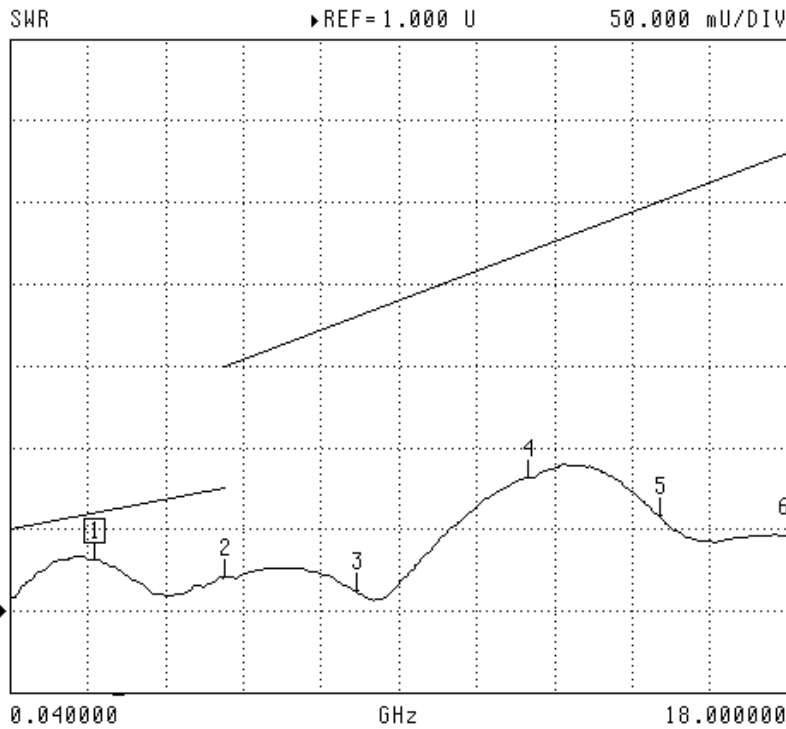
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.032 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.020 U

 3 8.032200 GHz
 1.012 U

 4 12.028300 GHz
 1.081 U

 5 15.036600 GHz
 1.058 U

 6 18.000000 GHz
 1.046 U

 MARKER READOUT
 FUNCTIONS

Sample 106

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

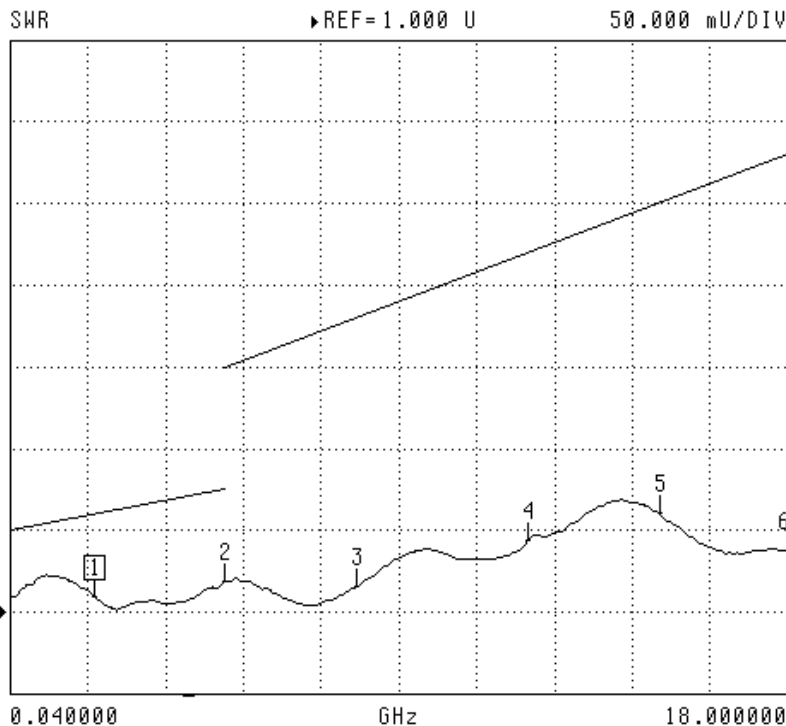
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.009 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.018 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.044 U

 5 15.036600 GHz
 1.060 U

 6 18.000000 GHz
 1.037 U

 MARKER READOUT
 FUNCTIONS

Sample 107

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

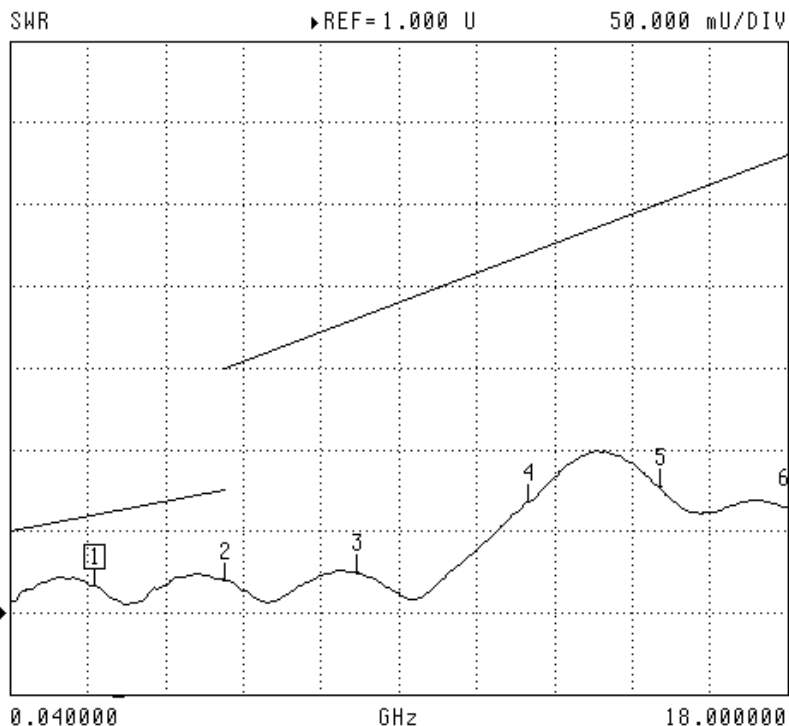
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.017 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.020 U

 3 8.032200 GHz
 1.024 U

 4 12.028300 GHz
 1.068 U

 5 15.036600 GHz
 1.077 U

 6 18.000000 GHz
 1.065 U

 MARKER READOUT
 FUNCTIONS

Sample 108

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

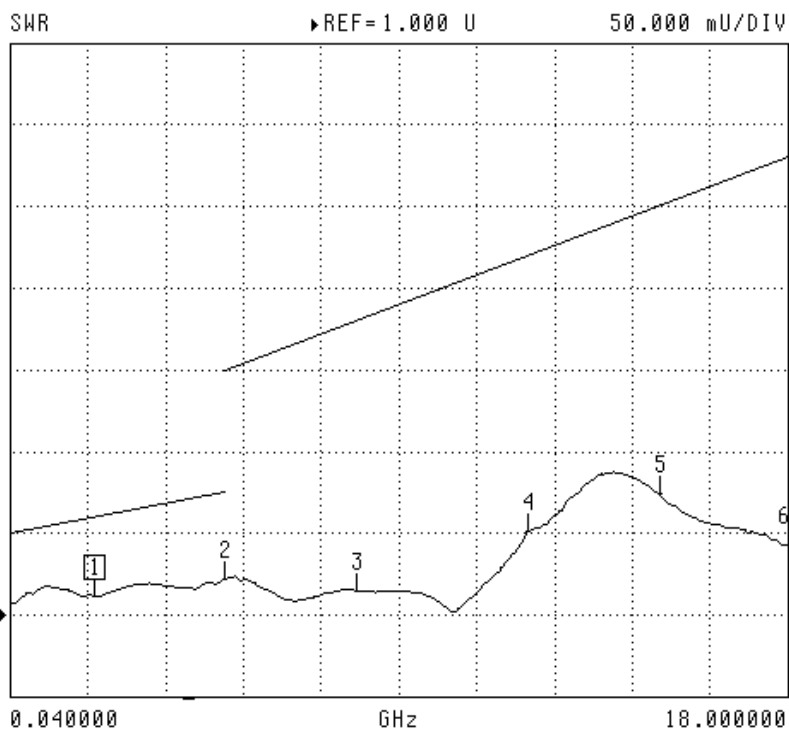
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.011 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.022 U

 3 8.032200 GHz
 1.015 U

 4 12.028300 GHz
 1.051 U

 5 15.036600 GHz
 1.074 U

 6 18.000000 GHz
 1.043 U

 MARKER READOUT
 FUNCTIONS

Sample 109

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

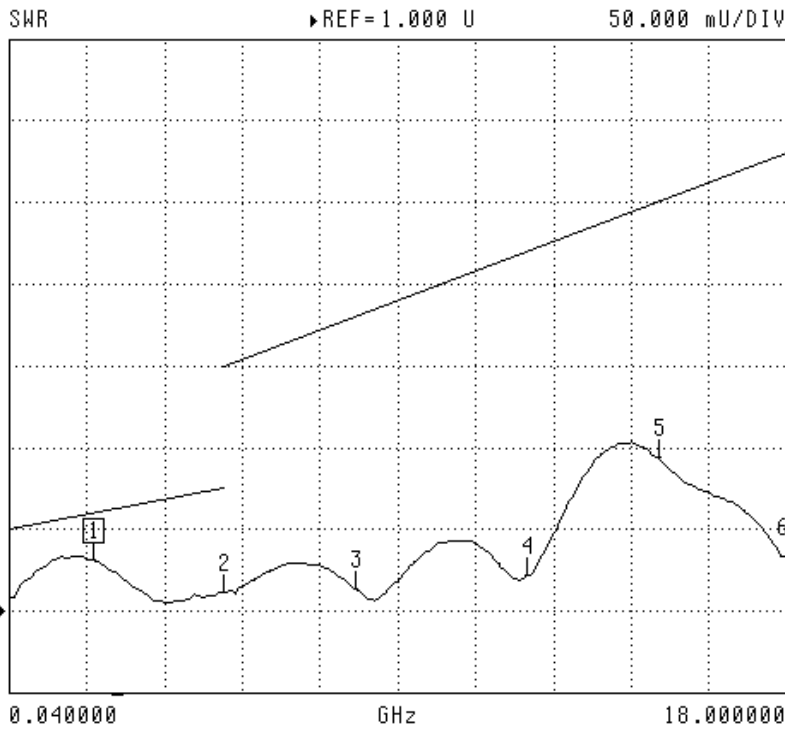
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.031 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.011 U

 3 8.032200 GHz
 1.014 U

 4 12.028300 GHz
 1.021 U

 5 15.036600 GHz
 1.094 U

 6 18.000000 GHz
 1.034 U

 MARKER READOUT
 FUNCTIONS

Sample 110

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

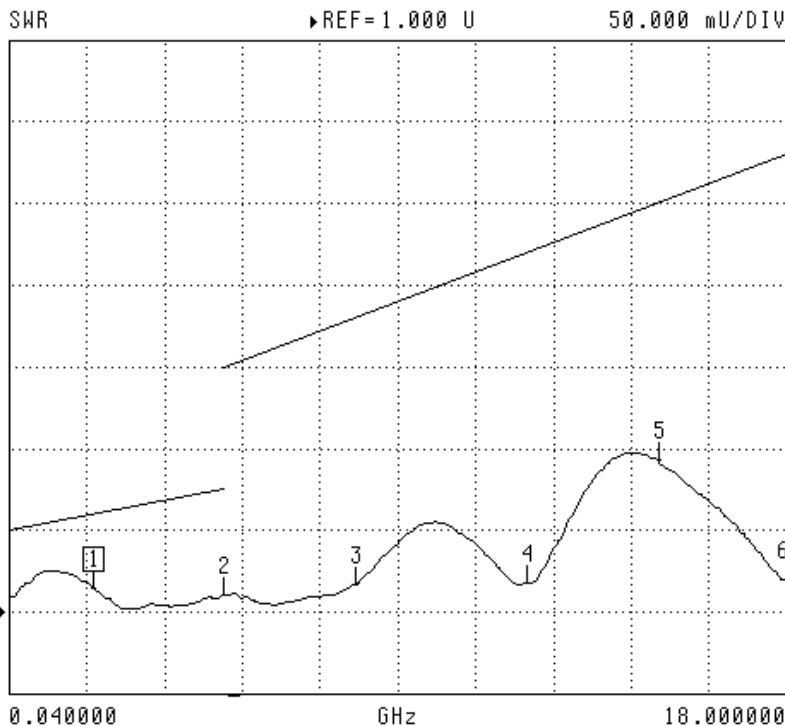
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.014 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.011 U

 3 8.032200 GHz
 1.017 U

 4 12.028300 GHz
 1.018 U

 5 15.036600 GHz
 1.093 U

 6 18.000000 GHz
 1.020 U

 MARKER READOUT
 FUNCTIONS

Sample 111

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

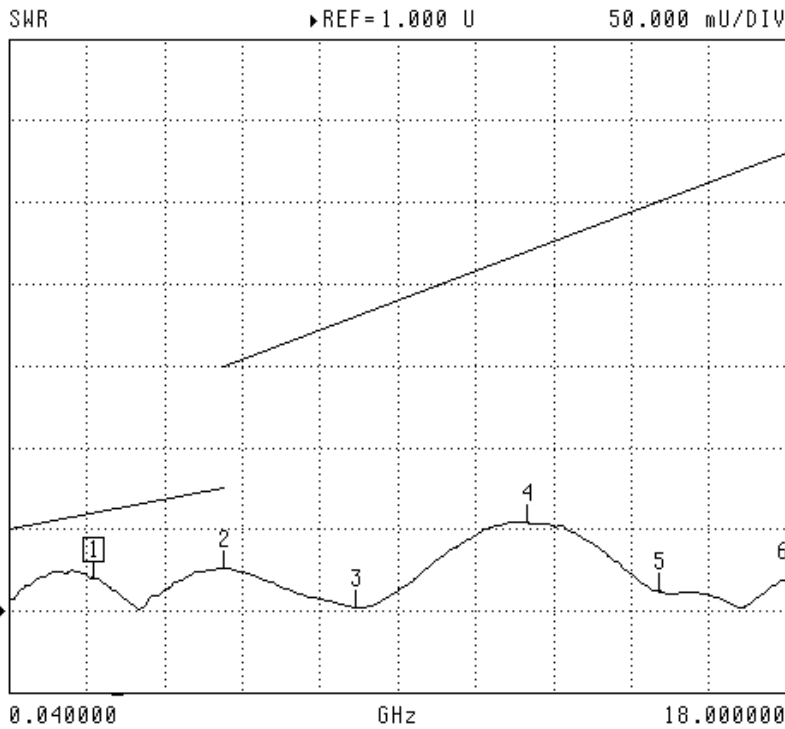
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.002 U

 4 12.028300 GHz
 1.054 U

 5 15.036600 GHz
 1.012 U

 6 18.000000 GHz
 1.019 U

 MARKER READOUT
 FUNCTIONS

Sample 112

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

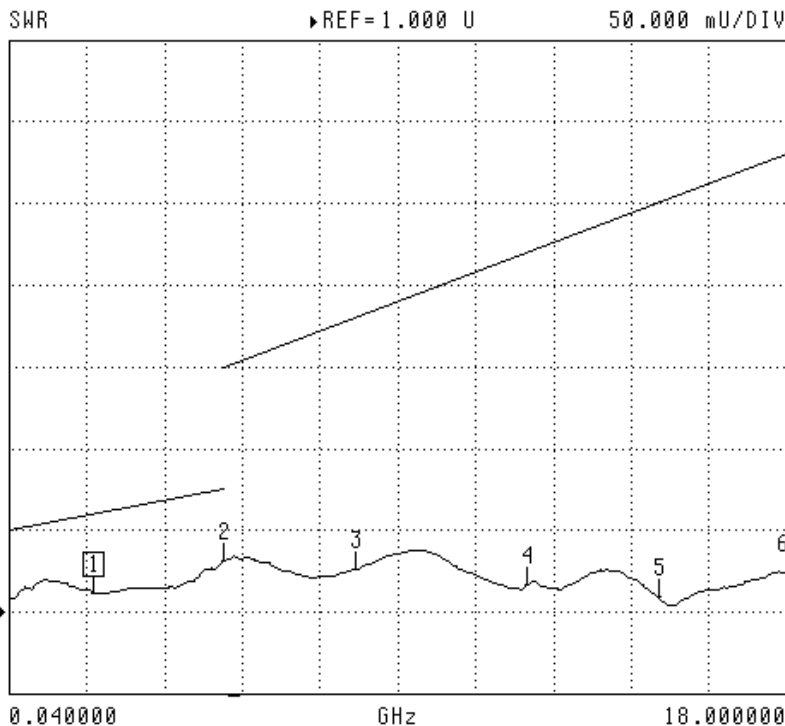
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶ MARKER 1
 2.015600 GHz
 1.012 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.031 U

 3 8.032200 GHz
 1.026 U

 4 12.028300 GHz
 1.016 U

 5 15.036600 GHz
 1.010 U

 6 18.000000 GHz
 1.024 U

 MARKER READOUT
 FUNCTIONS

Sample 113

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

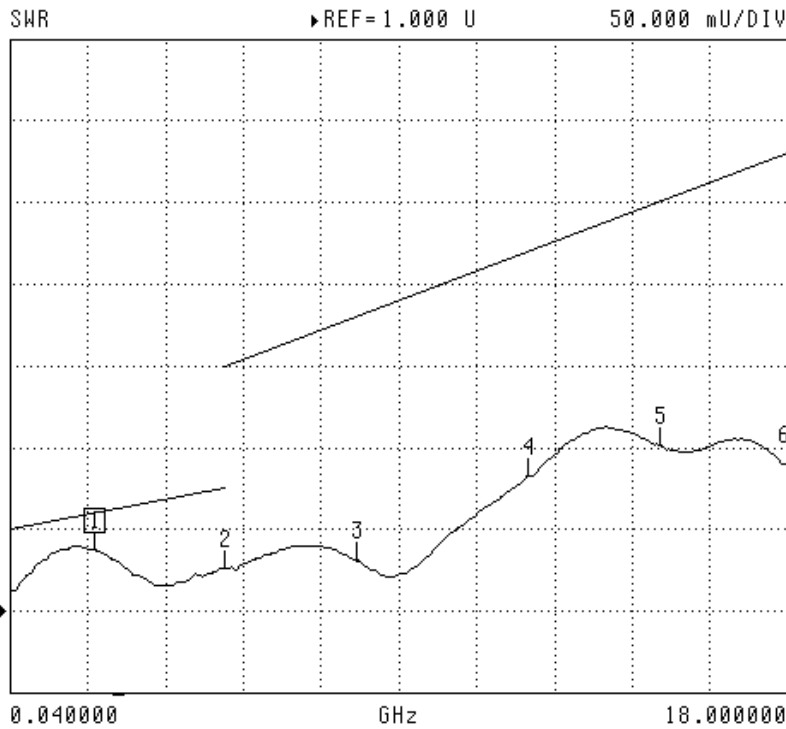
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.037 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.026 U

 3 8.032200 GHz
 1.031 U

 4 12.028300 GHz
 1.082 U

 5 15.036600 GHz
 1.102 U

 6 18.000000 GHz
 1.090 U

 MARKER READOUT
 FUNCTIONS

Sample 114

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

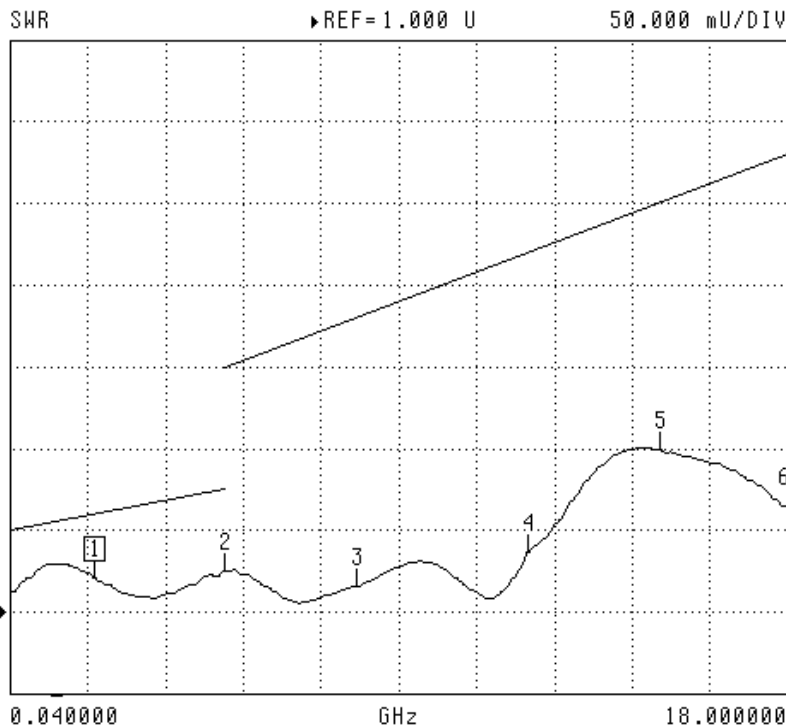
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.021 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.025 U

 3 8.032200 GHz
 1.016 U

 4 12.028300 GHz
 1.037 U

 5 15.036600 GHz
 1.099 U

 6 18.000000 GHz
 1.065 U

 MARKER READOUT
 FUNCTIONS

Sample 115

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

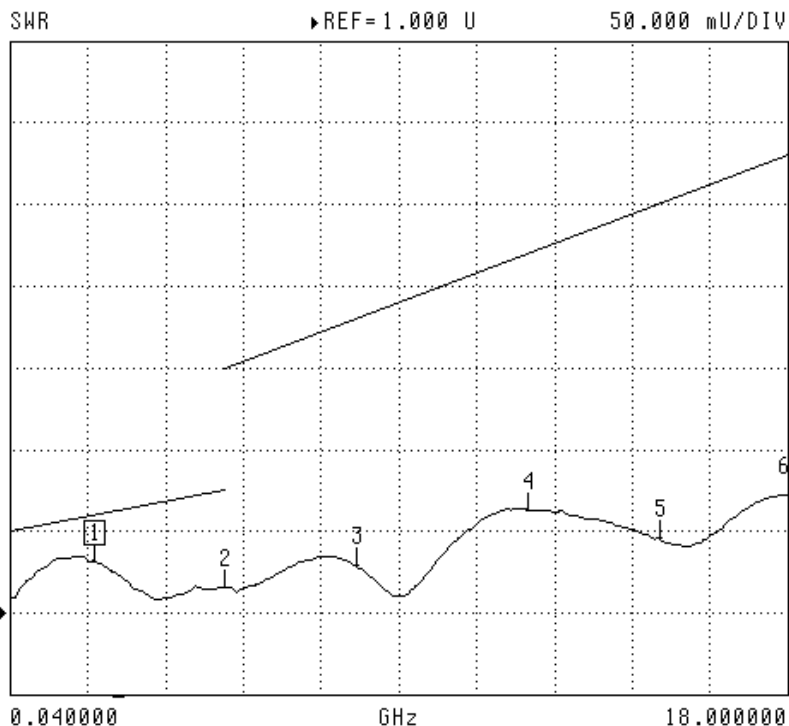
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.032 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.015 U

 3 8.032200 GHz
 1.029 U

 4 12.028300 GHz
 1.063 U

 5 15.036600 GHz
 1.045 U

 6 18.000000 GHz
 1.072 U

 MARKER READOUT
 FUNCTIONS

Sample 116

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

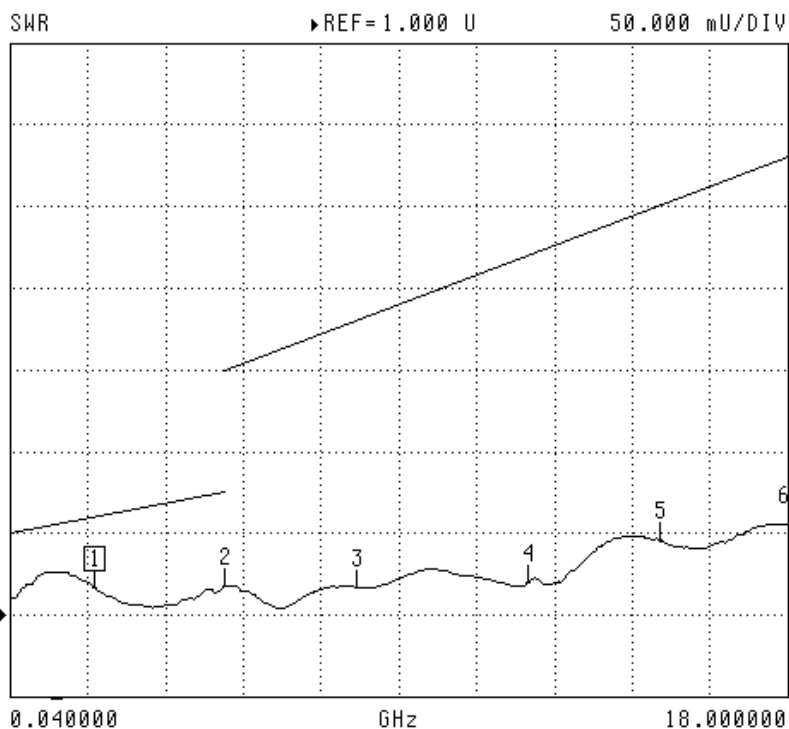
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.016 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.017 U

 3 8.032200 GHz
 1.017 U

 4 12.028300 GHz
 1.020 U

 5 15.036600 GHz
 1.046 U

 6 18.000000 GHz
 1.055 U

 MARKER READOUT
 FUNCTIONS

Sample 117

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

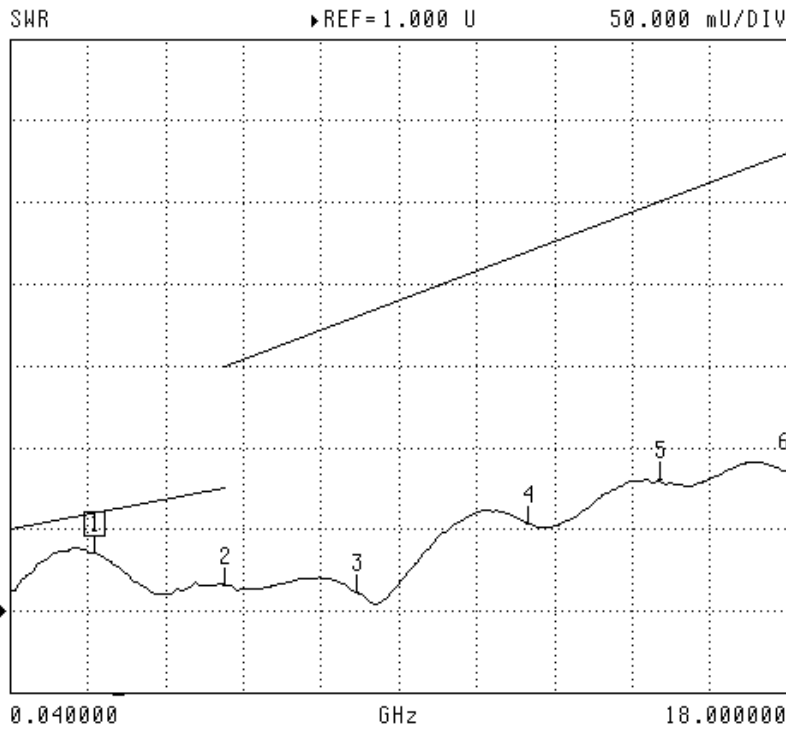
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S11 FORWARD REFLECTION

 CH 1 - S11
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.035 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.016 U

 3 8.032200 GHz
 1.012 U

 4 12.028300 GHz
 1.053 U

 5 15.036600 GHz
 1.080 U

 6 18.000000 GHz
 1.086 U

 MARKER READOUT
 FUNCTIONS

Sample 118

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

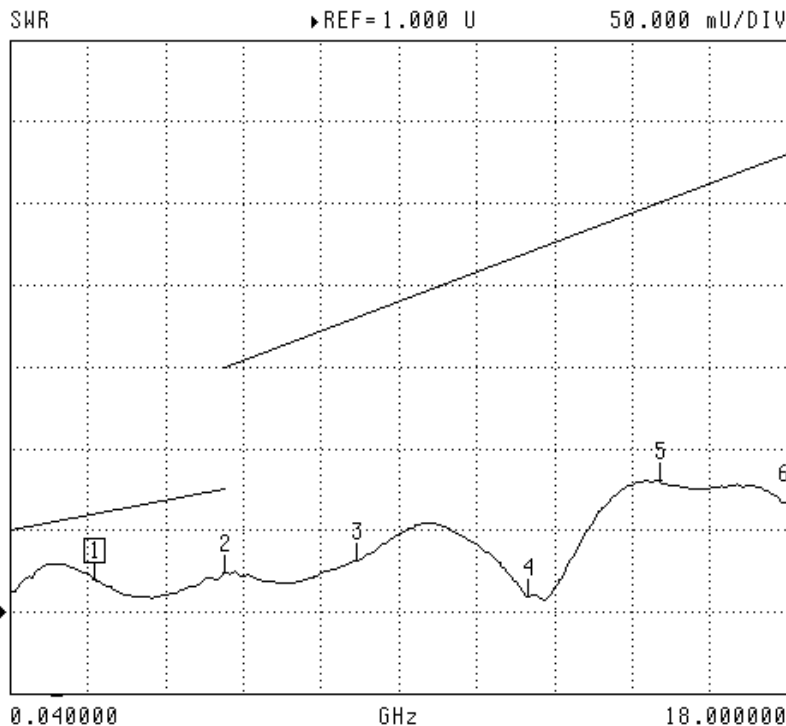
IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :

R125612140X / V.S.W.R. back to back / At high temperature +100°C

09/02/2006

S22 REVERSE REFLECTION

 CH 4 - S22
 REFERENCE PLANE
 0.0000 mm

 ▶MARKER 1
 2.015600 GHz
 1.020 U

 MARKER TO MAX
 MARKER TO MIN

 2 5.023900 GHz
 1.023 U

 3 8.032200 GHz
 1.031 U

 4 12.028300 GHz
 1.009 U

 5 15.036600 GHz
 1.080 U

 6 18.000000 GHz
 1.067 U

 MARKER READOUT
 FUNCTIONS

Sample 119

 START : 0.040000Ghz
 STOP : 18.00000Ghz
 STEP : 0.044900Ghz

Error corr. : 12-TERM

Averaging : 1 PT

Smoothing : 2.00%

 Reference plane :
 0mm

IF Bandwidth : 1KHz

Normalization : OFF

Delay aperture :



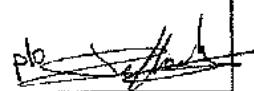
LCE report N°2006.04.9089.

RADIALL S.A.

 81 bd Denfert Rochereau BP 328
 38509 VOIRON CEDEX

Laboratoire Central d'Essai
 Approval CECC No 01/L-89

TEST REPORT

Concerning : THERMAL SHOCKS	
Test specimen identification : Straight female square flange receptacles R125812140X.	Addressee : Denis BOUVIER PATRON RADIALL IDA
Applicant : Denis BOUVIER PATRON Department : Composant Hyper Spatial	Started : 26 January 2006 Finished : 27 January 2006
Written by : J. DECEMBRE 	Date : 31 January 2006
Laboratory supervisor : 31/01/06 S. LEFLOCH-DUBOIS 	Approved by : L. BOILLOT 
Test : Thermal Shocks.	Subject : Thermal shock test in accordance with MIL STD 202G, Method 107, Condition B.
Conclusion : <p style="text-align: center;">The samples have performed the thermal cycles.</p>	
Number of pages : 6	Number of annexes : 2
Test report No : 2006.04.9089 Rev -	Page : 1

(1) -No part of this report may be reproduced without the prior permission in writing of laboratory.
 (2) -This test report applies to the tested samples only.

RADIALL S.A.81 bd Denfert Rochereau BP 328
38509 VOIRON CEDEXLaboratoire Central d'Essai
Approval CECC No 01/L-89**SYNOPSIS**

Revisions	page	3
Sampling board	page	4
Thermal Shocks	page	6
Annexes		
Equipment list	annex	01.
Test request.....	annex	02

RADIALL S.A.81 bd Denfert Rochereau BP 328
38509 VOIRON CEDEX

Laboratoire Central d'Essai

Approval CECC No 01/L-89

REVISION

Revision	Date	Page	Description of modifications	Responsibility

Test report No : 2006.04.9089 Rev. -

page : 3

RADIALL S.A.

 81 bd Denfert Rochereau BP 328
 38509 VOIRON CEDEX

Laboratoire Central d'Essai

Approval CECC No 01/L-89

SAMPLING BOARD
Manufacturer : RADIALL SA

Designation :
Batch No

sample n°	Manufacturer sample designation	batch No or serial No	normalized sample designation	Reception Date of the sample	couple No	cable assembly
1 to 94	R125612140X	05-34A		26/01/2006		
95 to 162	R125612140X	05-40A		26/01/2006		

The test sample selection is carried out by the applicant of the test.

Test report No : 2006.04.9089 Rev. -

page : 4



RADIALL S.A.

81 bd Denfert Rochereau BP 328
38509 VOIRON CEDEX

Laboratoire Central d'Essai
Approval CECC No 01/L-89

SAMPLING BOARD

Test or Test group	Sample No															
	1 to 162															
Thermal Shocks	✓															

RADIALL S.A.81 bd Denfert Rochereau BP 328
38509 VOIRON CEDEX**Laboratoire Central d'Essai**
Approval CECC No 01/L-89

Test : Thermal Shocks.		
Specification : MIL-STD 202G, method 107, condition B.		
Sampling : All samples		
Equipment : Thermal shock chamber VOTSCH LCE0230.		
Room temperature : 20°C	Room humidity : 31%RH	Date : 26 and 27 January 2006
Operator : J. DECEMBRE	Site : L.C.E. Voiron	
Test Description : The test was performed in accordance with the method MIL-STD 202G, method 107 with the following conditions: <u>Thermal cycles:</u> 50 cycles will be performed. 1 cycles = Cold step: 15 minutes at -55°C Hot step: 15 minutes at +105°C		
Requirement : No requirement.		
Result : The samples have performed the 50 cycles.		
Measurement uncertainty : $\pm 3^{\circ}\text{C}$		
Conclusion : The visual inspection, before and after test, will be made by the client.		
Test report No : 2006.04.9089 Rev. -		page : 6

RADIALL S.A.81 bd Denfert Rochereau BP 328
38509 VOIRON CEDEXLaboratoire Central d'Essai
Approval CECC No 01/L-89**ANNEX 01****EQUIPMENT LIST**

Annex No : 1

Number of pages : 2

Test report No : 2006.04.9089 Rev. -

page : A1.1

RADIALL S.A.

 81 bd Denfert Rochereau BP 328
 38509 VOIRON CEDEX

Laboratoire Central d'Essai
Approval CECC No 01/L-89
**LISTE DU MATERIEL LCE RADIALL VOIRON.
 EQUIPMENT LIST**

Equipment Equipment	Date D'entrée Income Date	Fabricant Manufacturer or	Type Type	N° de série Serial Number	Précision Accuracy	Limites Limits	Périodicité d'étalonnage Frequency of calibration	N° Procédure d'étalonnage Calibration Procedure number
Choc thermique Thermal shock	1998	VOTSCH	VT 7012 S2	524/83853 LCE0230	± 2°C Tr < 20 s	-70° à 200° C	1 an 1 year	FIQL-ET-141

Test report No : 2006.04.9089 Rev. -

page : A1.2

Notices of anomaly.

Component anomaly Test procedure or test equipment anomaly

Test applicant : Bouvier D.

Department : IDA laboratory

Ref. of test report : 2005.45.2203

Date of statement : 26/01/2006

Detected by : Decembre J.

visa :

approved by : Bouvier D.

date : 26/01/2006

Notification to the applicant :
made by :

means : phone

visa :

date : 26/01/2006

Device under test : Thermal shocks test

Identification : Square flange receptacle tab contact SMA R125612140X Batch 05-40A N°138
(reference, date code, serial number)**Test conditions :**

The thermal shocks test was performed according to standard MIL-STD 202 G method 107 condition B and following conditions :

- Maximum temperature: +105°C.
- Minimum temperature: -55°C.
- Duration transfer : < 1 minute
- Stage duration: 15 minutes.
- Number of cycles: 50.

Test requirements :

Contact resistance measurements

Deviation noticed :

On sample N°138, the tab contact was broken due to a wrong handling by the operator during the installation of the test.

Particular disposition :

The LAT continue without the sample N°138

Decision of the applicant :

visa :

date : 26/01/2006