



DOCUMENT CHANGE REQUEST

DCR number	864	Changes required for:	General	Originator:	Bernd Eisener
Date:	2014/11/25	Date sent:	2014/05/14	Organisation:	Infineon Technologies
Status:	IMPLEMENTED				

Title: Diodes Microwave Silicon PIN, based on BXY42-MESA

Number: 5513/017 Issue: 3

Other documents affected:

Page:

9 & 10

Paragraph:

Fig 2(a), 2(b), 3

Original wording:

Note 1: The cathode end shall be adjacent to it.

Proposed wording:

Fig 2(a) and 2(b): remove dot at cathode end from figures

Note 1: The anode end is clearly identified by the sealing ring and lid (dimension B1 in Figure 2(A) and 2(B))

Justification:

Spec update according to ESCC5512/020



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Title:	Diodes Microwave Silicon Pin Planar, based on types BXY43C and BXY44K				
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Number:	5513/030	Issue:	3		
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Other documents affected:

Page:

all

Paragraph:

all

Original wording:

Proposed wording:

remove Variants 03, 04, 07, 08

Justification:

Variants are not available any more



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Other documents affected:

Page:

19

Paragraph:

Table 5(b)

Original wording:

Tamb: 140°C

PD: V01 => 90mW
V02 => 65mW
V05 => 80mW
V06 => 50mW

Proposed wording:

Tamb: V01 & V05 => 120°C
V02 & V06 => 130°C

PD: V01 & V05 => 90mW
V02 & V06 => 65mW

Justification:

correction of contradicting bias conditions



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Justification:

Spec update according to ESCC5512/020

Attachments:

N/A

Modifications:

The changes per this DCR are consolidated, amended and replaced by the following:

For ESCC 5513/017:

Page 9, Figure 2: Amend title to be "Physical Dimensions and Terminal Identification".

Page 9 & 10, Figure 2(a) & 2(b):

Remove black dot and Cathode end arrow from the 2 figures and add an arrow pointing to the Anode end in each.

Add a new Notes column in each of the 2 dimension tables that refer to note “1” against dimension B1.

Add new note 1 under each of the 2 figures as follows:

NOTES:

“1. Terminal identification: the anode end is identified by the sealing ring and lid (dimension B1).”

Page 10, Figure 3: delete Note 1.

Page 12, Para. 4.5.1: amend bullet (a) to read “Terminal Identification.” (instead of “Cathode Identification”)

For ESCC 5513/030:

Page 6, 7, 8, 10, 11, 12, 13, 14, 17, 18, 19, Para. 1.7, Table 1(a), Table 1(b), Figure 1, Figure 2(c), Figure 2(d), Figure 2(e), Figure 3, Para. 4.3.2, Para. 4.3.3: Table 2, Table 5(a) Table 5(b): Delete all references to obsolete variants 03, 04, 07, 08 (and amend text as necessary).

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Page 9, Figure 2: Amend title to be “Physical Dimensions and Terminal Identification”.

Page 9, Figure 2(a), 2(b):

Remove black dot and Cathode end arrow from the 2 figures and add an arrow pointing to the Anode end in each.

Add a new Notes column in each of the 2 dimension tables that refer to note “1” against dimension B1.

Add new note 1 under each of the 2 figures as follows:

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“1. Terminal identification: the anode end is identified by the sealing ring and lid (dimension B1).”

Page 13, Figure 3: delete Note 1.

Page 15, Para. 4.5.1: amend bullet (a) to read “Terminal Identification.” (instead of “Cathode Identification”)

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Page 19, Table 5(b): CONDITIONS FOR POWER BURN-IN AND OPERATING LIFE TESTS: test conditions are replaced by the following:

Ambient Temperature (T_{amb}):

· Variants 01, 05: +120degC (Note 1)

· Variants 02, 06: +130degC (Note 1)

Junction Temperature (Tj): +150degC

Power Dissipation (PD):

· Variants 01, 05: 90mW

· Variants 02, 06: 65mW

NOTES:

1. Tamb shall be adjusted to achieve the specified junction temperature, Tj. The following thermal resistance (junction to ambient) values, Rth(j-a), shall be taken into account:

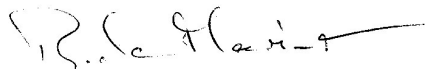
· Variant 01: 325degC/W

· Variant 02: 275degC/W

· Variant 05: 335degC/W

· Variant 06: 290degC/W

Approval signature:



Date signed:

2014-11-25