

DIODE, SILICON, POWER SCHOTTKY RECTIFIER, BASED ON TYPE 1N5819
 ESCC Detail Specification No. 5106/021

2.8 POWER BURN-IN CONDITIONS

For Variants 01, 04 **01 to 04**

Characteristics	Symbols	Test Conditions	Units
Ambient Temperature	Tamb	Note1	°C
Junction Temperature	Tj	+100 minimum	°C
Forward Current	IF	1 minimum (Note 1)	A

For Variants 02, 03

Characteristics	Symbols	Test Conditions	Units
Ambient Temperature	Tamb	+22 (+/- 3)	°C
Junction Temperature	Tj	+150 (+0 -5)	°C
Average Output Rectified Current	IO	Note 2	A

NOTES:

1. IF and/or Tamb may be adjusted, within the given limit range, to attain the specified junction temperature.
2. IO may be adjusted, within the given limit range, to attain the specified junction temperature.

Justification:

STMicroelectronics wishes apply the same condition that variant 01 and 04

2.9 OPERATING LIFE CONDITIONS

For Variants 01, 04 **01 to 04**

Characteristics	Symbols	Test Conditions	Units
Ambient Temperature	Tamb	Note1	°C
Junction Temperature	Tj	+125 minimum	°C
Forward Current	IF	1 minimum (Note 1)	A

For Variants 02, 03

Characteristics	Symbols	Test Conditions	Units
Ambient Temperature	Tamb	+22 (+/- 3)	°C
Junction Temperature	Tj	+150 (+0 -5)	°C
Average Output Rectified Current	IO	Note 2	A

NOTES:

1. IF and/or Tamb may be adjusted, within the given limit range, to attain the specified junction temperature.
2. IO may be adjusted, within the given limit range, to attain the specified junction temperature.

Justification:

STMicroelectronics wishes apply the same condition that variant 01 and 04

1.6 HANDLING PRECAUTIONS

These devices are susceptible to damage by electrostatic discharge. Therefore, suitable precautions shall be employed for protection during all phases of manufacture, testing, packaging, shipment and any handling.

Variants 01 and 04 are categorised as Class 2 per ESCC Basic Specification No. 23800 with a Minimum Critical Path Failure Voltage of 2000 Volts.

Variants 02 and 03 are categorised as Class 2 per ESCC Basic Specification No. 23800 with a Minimum Critical Path Failure Voltage of ~~8000~~ **2000** Volts.

Justification:

Typing error during the first release.