

S1NB60

600V 1A

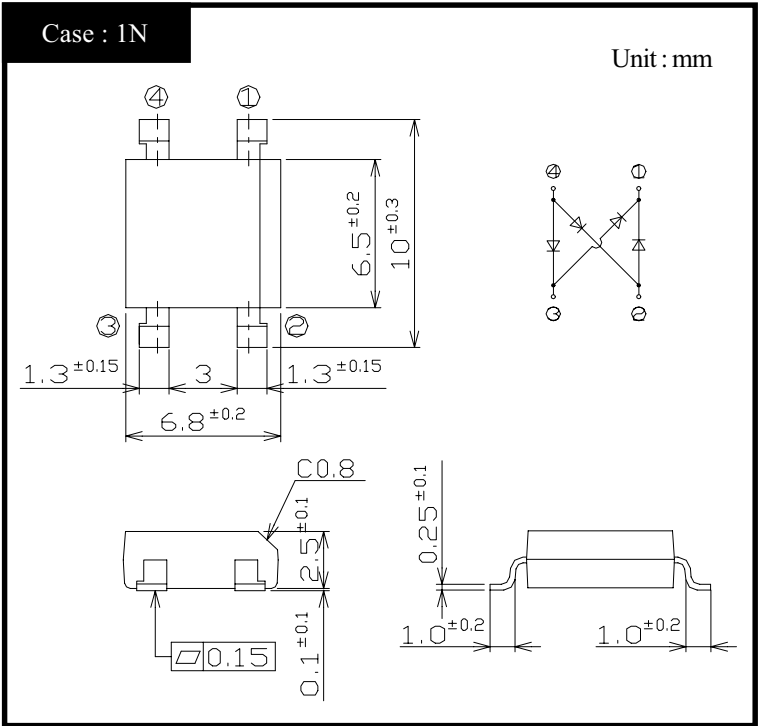
FEATURES

- Small Dual In-Line(:DIL) Package
- 5 mm pitch between terminals
- Applicable to Automatic Insertion

APPLICATION

- Switching power supply
- Home Appliances, Office Equipment
- Telecommuication, Factory Automation

OUTLINE DIMENSIONS



RATINGS

●Absolute Maximum Ratings (If not specified Tl=25°C)

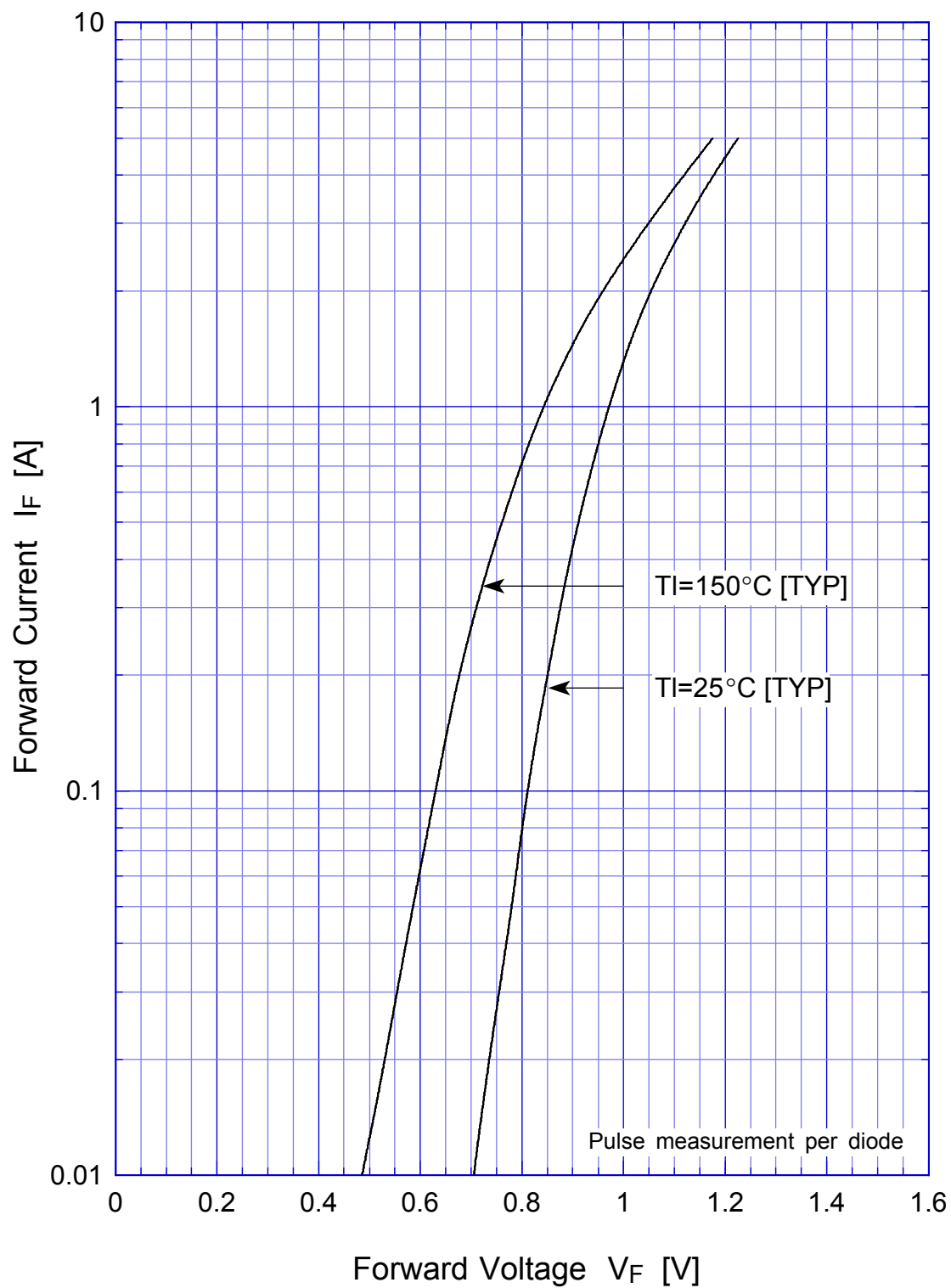
| Item                              | Symbol | Conditions                                                 | Ratings | Unit |
|-----------------------------------|--------|------------------------------------------------------------|---------|------|
| Storage Temperature               | Tstg   |                                                            | -40~150 | °C   |
| Operating Junction Temperature    | Tj     |                                                            | 150     | °C   |
| Maximum Reverse Voltage           | VRM    |                                                            | 600     | V    |
| Average Rectified Forward Current | IO     | 50Hz sine wave, R-load, On glass-epoxy substrate, Ta=25°C  | 1       | A    |
| Peak Surge Forward Current        | IFSM   | 50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C | 30      | A    |
| Current Squared Time              | I²t    | 1ms ≤ t < 10ms Tj=25°C                                     | 4.5     | A²s  |

●Electrical Characteristics (If not specified Tl=25°C)

| Item               | Symbol | Conditions                                      | Ratings  | Unit |
|--------------------|--------|-------------------------------------------------|----------|------|
| Forward Voltage    | VF     | IF=0.5A, Pulse measurement, Rating of per diode | Max.1.05 | V    |
| Reverse Current    | IR     | VR=VRM, Pulse measurement, Rating of per diode  | Max.10   | μA   |
| Thermal Resistance | θjl    | junction to lead                                | Max.15   | °C/W |
|                    | θja    | junction to ambient                             | Max.68   |      |

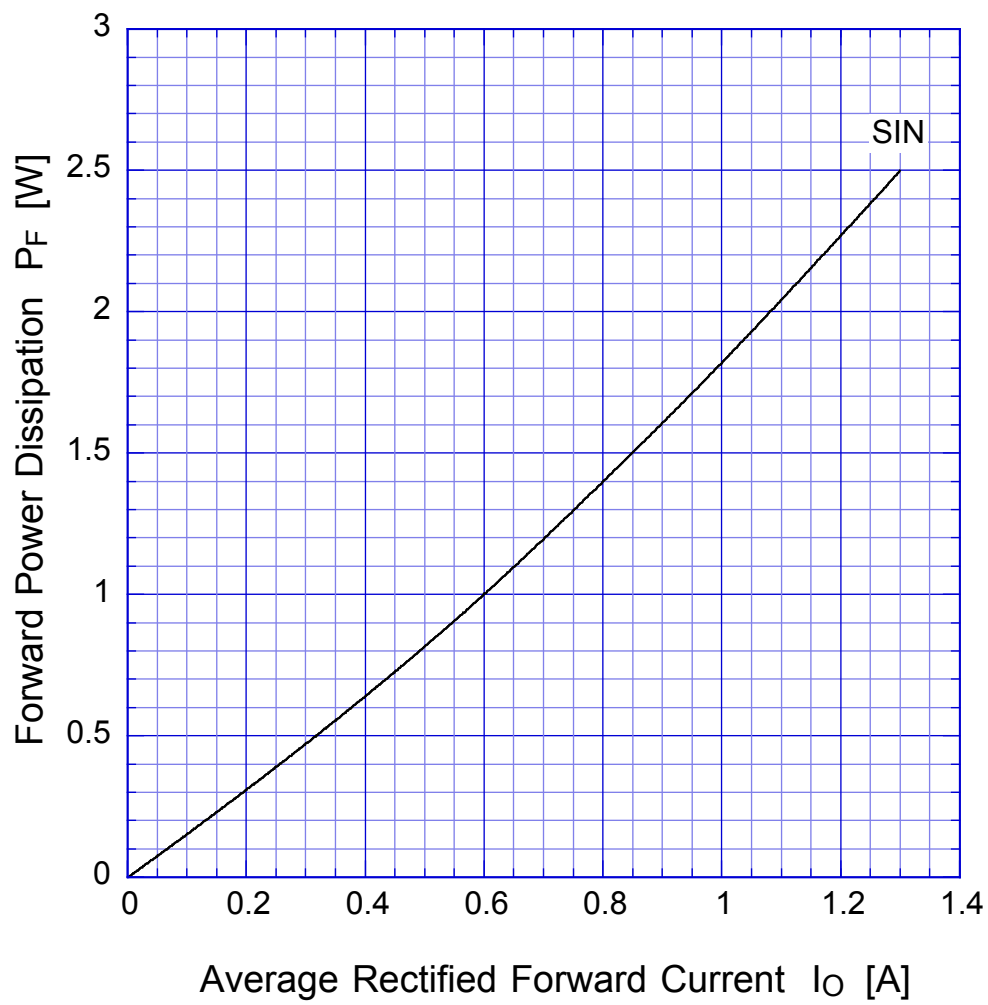
S1NBx

Forward Voltage



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Forward Power Dissipation

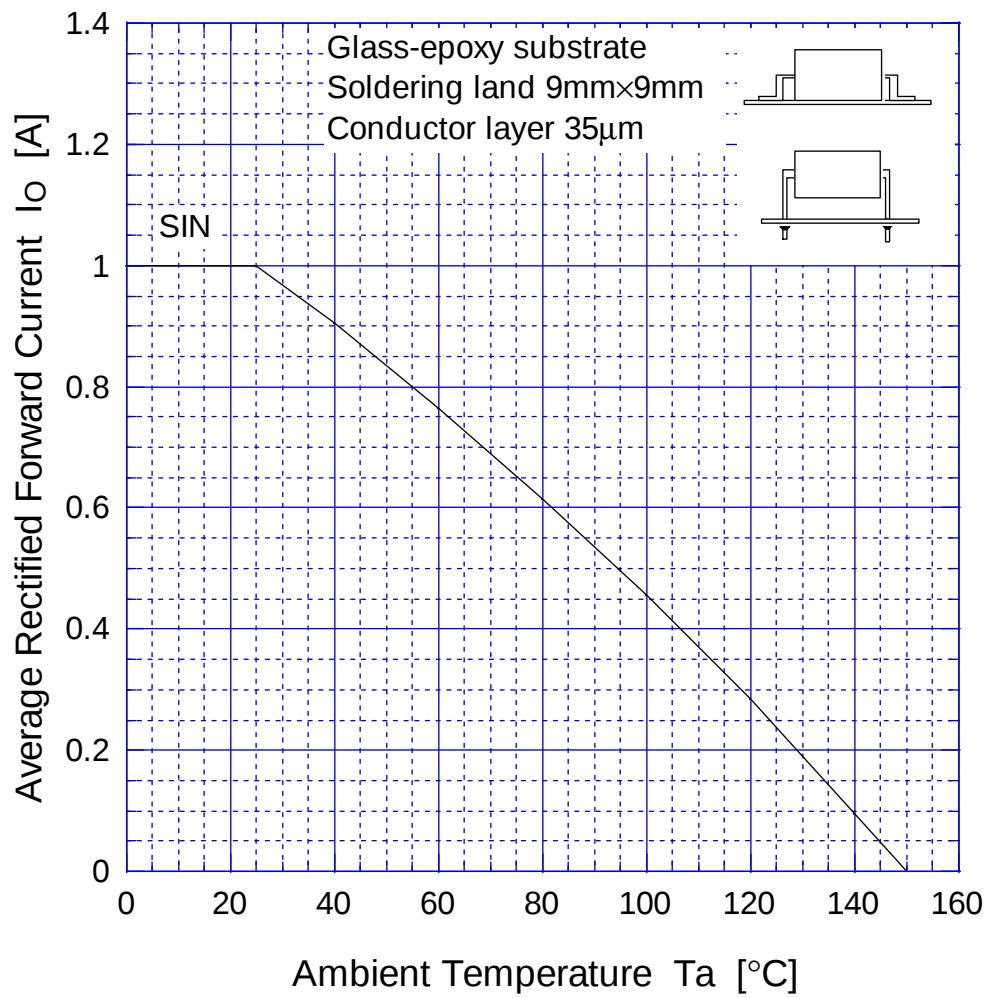


$T_j = 150^\circ\text{C}$

Sine wave

S1NBx

Derating Curve



Sine wave  
R-load  
Free in air

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Peak Surge Forward Capability

