

Feature

- Ideal for printed circuit board
- Glass passivated chip
- Reliable low cost construction utilizing molded plastic technique
- Small size, simple installation

Maximum Ratings and Electrical characteristics

Single-phase, half-wave, 60 Hz, resistive or inductive load rating at 25°C, unless otherwise stated

| Parameter | Symbol | FB4S | FB6S | FB8S | FB10S | Units |
|---|------------------------------------|-------------|------|------|-------|---------------|
| Maximum Repetitive Peak Reverse Voltage | V_{RRM} | 400 | 600 | 800 | 1000 | V |
| Maximum RMS Voltage | V_{RMS} | 270 | 420 | 560 | 700 | V |
| Maximum DC Blocking Voltage | V_{DC} | 400 | 600 | 800 | 1000 | V |
| Maximum Average Forward Rectifies Current on Glass-epoxy P.C.B | $I_{F(AV)}$ | 1 | | | | A |
| Peak Forward Surge Current 8.3ms Single Half Sine Wave Superimposed on Rated Load(JEDEC Method) | I_{FSM} | 25 | | | | A |
| Maximum Instantaneous Forward Voltage at Forward Current 0.4A | V_F | 0.98 | | | | V |
| Maximum DC Reverse Current $T_a=25^{\circ}C$ at Rated DC Blocking Voltage $T_a=125^{\circ}C$ | I_R | 5 100 | | | | μA |
| Typical Thermal Resistance Junction to Lead On Glass-epoxy P.C.B | $R_{\theta JL}$ $R_{\theta JA}$ | 42 88 | | | | $^{\circ}C/W$ |
| Operating and Storage Temperature Range | T_J, T_{STG} | -55 to +150 | | | | $^{\circ}C$ |

Typical Characteristics

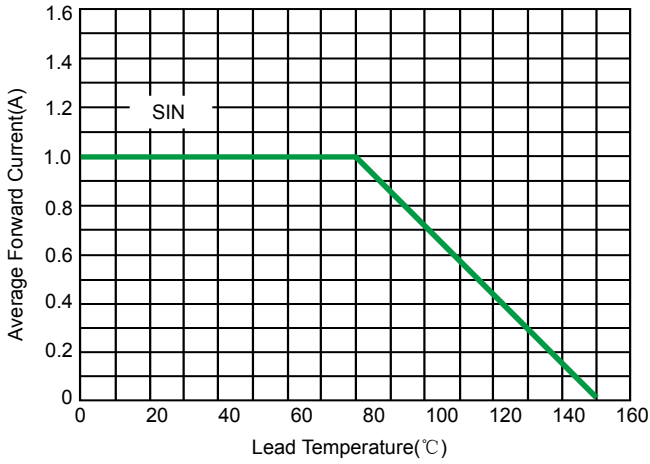


Fig 1. Maximum Forward Current Derating Curve

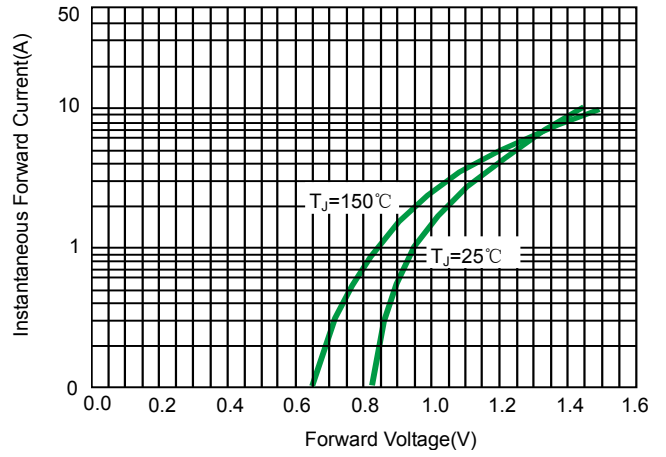


Fig 2. Typical Forward Characteristics

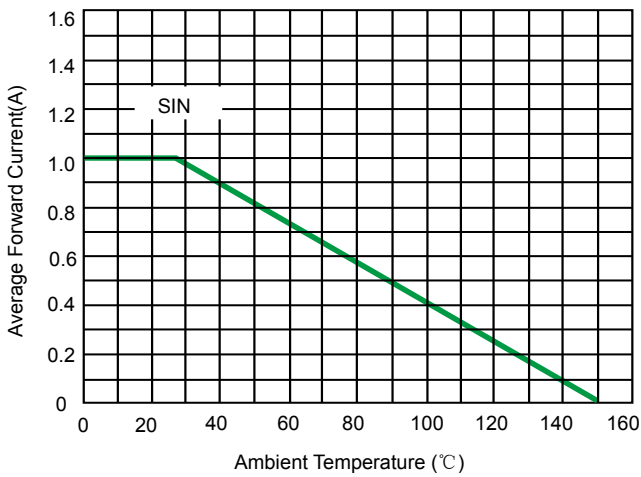


Fig 3. Maximum Forward Current Derating Curve

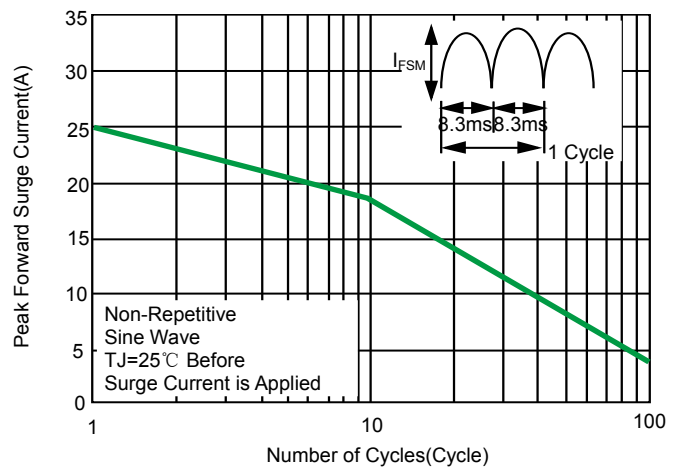
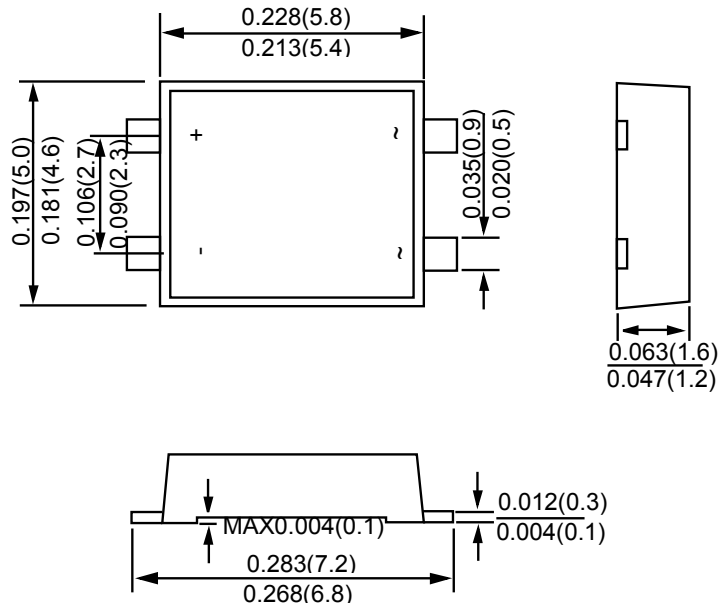



Fig 4. Maximum Non-Repetitive Forward Surge Current

Product dimension (LDF)



Dimensions in inches and (millimeters)

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