Surface Mount Flat Bridge Rectifier

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℃,unless otherwise stated, for capacitive load, derate current by 20%.

Parameter	Symbol	TB1S	TB2S	TB4S	TB6S	TB8S	TB10S	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Maximum Average Forward Rectifies Current on Glass-expoxy 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}	30						A
Maximum Instantaneous Forward Voltage at Forward Current 0.4A	V_F	0.95						V
Maximum DC Reverse Current Ta=25℃ at Rated DC Blocking Voltage Ta=125℃	I_R	5 100						μA
Typical Thermal Resistance Junction to Lead On Glass-expoxy P.C.B	$R_{\theta JL}$ $R_{\theta JA}$	42 88						℃/W
Operating and Storage Temperature Range	T_J,T_{STG}	-55 to +150						℃

Typical Characteristics

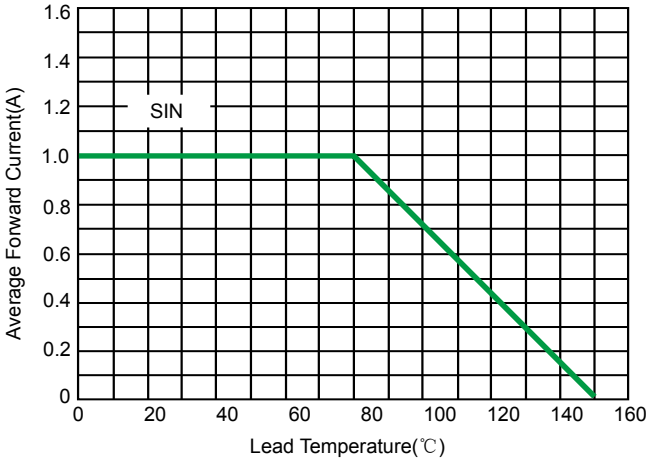


Fig 1.Maximum Forward Current Derating Curve

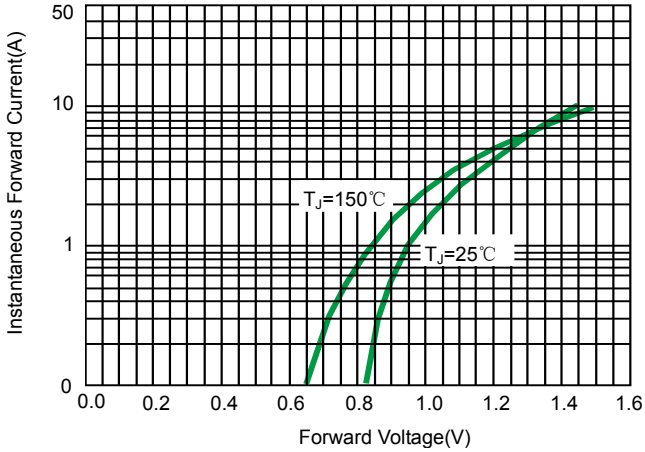


Fig 2.Typical Forward Characteristics

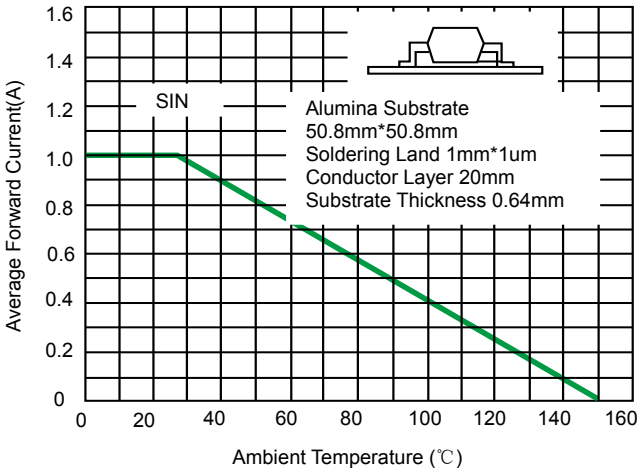


Fig 3.Maximum Forward Current Derating Curve

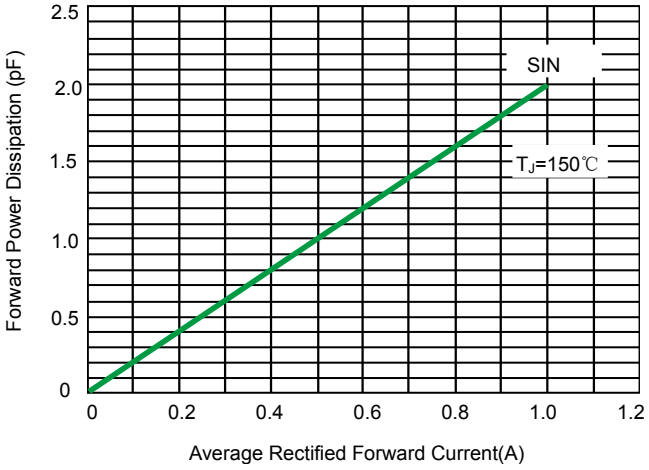


Fig 4.Forward Power Dissipation

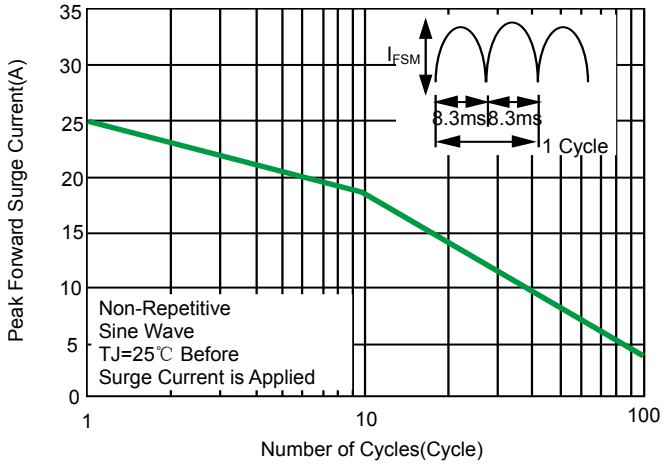
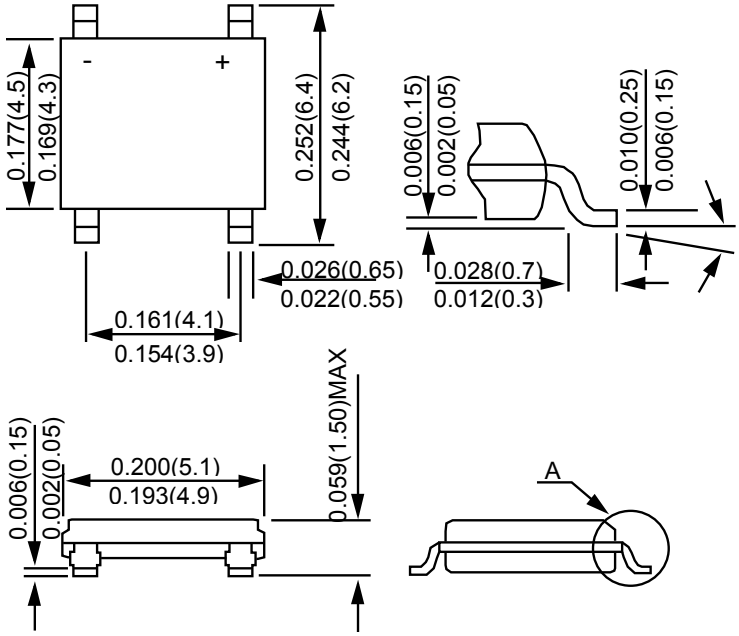


Fig 5. Maximum Non-Repetitive Forward Surge Current

Product dimension (LBF)



Dimensions in inches and (millimeters)

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