

S1ZB60

600V 0.5A

FEATURES

- Small DIL Package
- High reliability with superior moisture resistance
- Applicable to Automatic Insertion

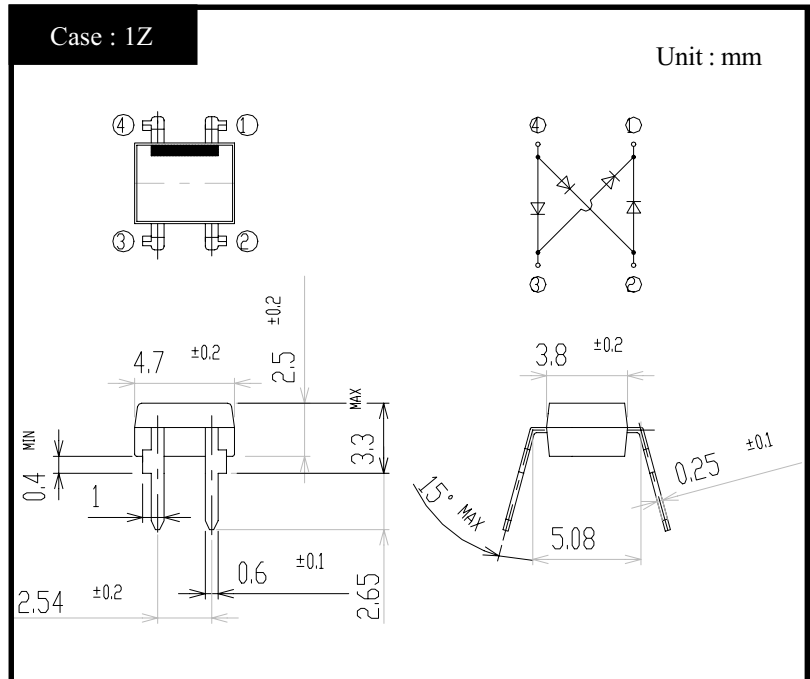
APPLICATION

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

OUTLINE DIMENSIONS

Case : 1Z

Unit : mm



RATINGS

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

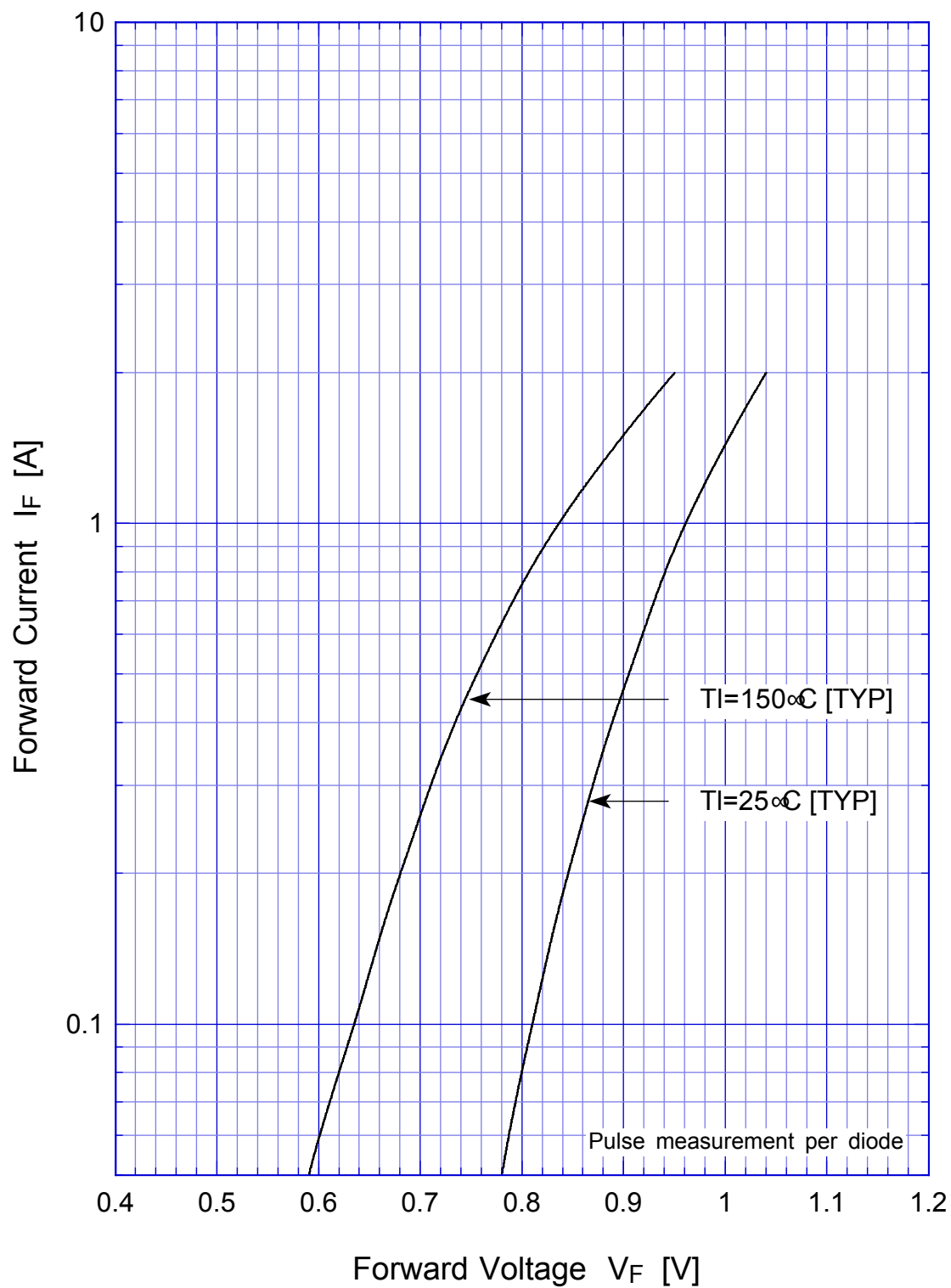
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-40~150	°C
Operating Junction Temperature	T _j		150	°C
Maximum Reverse Voltage	V _{RM}		600	V
Average Rectified Forward Current	I _O	50Hz sine wave, R-load On glass-epoxy substrate Ta=25°C	0.5	A
Peak Surge Forward Current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	30	A
Current Squared Time	I ² t	1ms≤t<10ms Tj=25°C	4.5	A ² s

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

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	$I_F=0.4A$, Pulse measurement, Rating of per diode	Max.1.05	V
Reverse Current	I_R	$V_R=V_{RM}$, Pulse measurement, Rating of per diode	Max.10	μA
Thermal Resistance	θ_{jl}	junction to lead	Max.20	$^{\circ}C/W$
	θ_{ja}	junction to ambient On glass-epoxy substrate	Max.134	

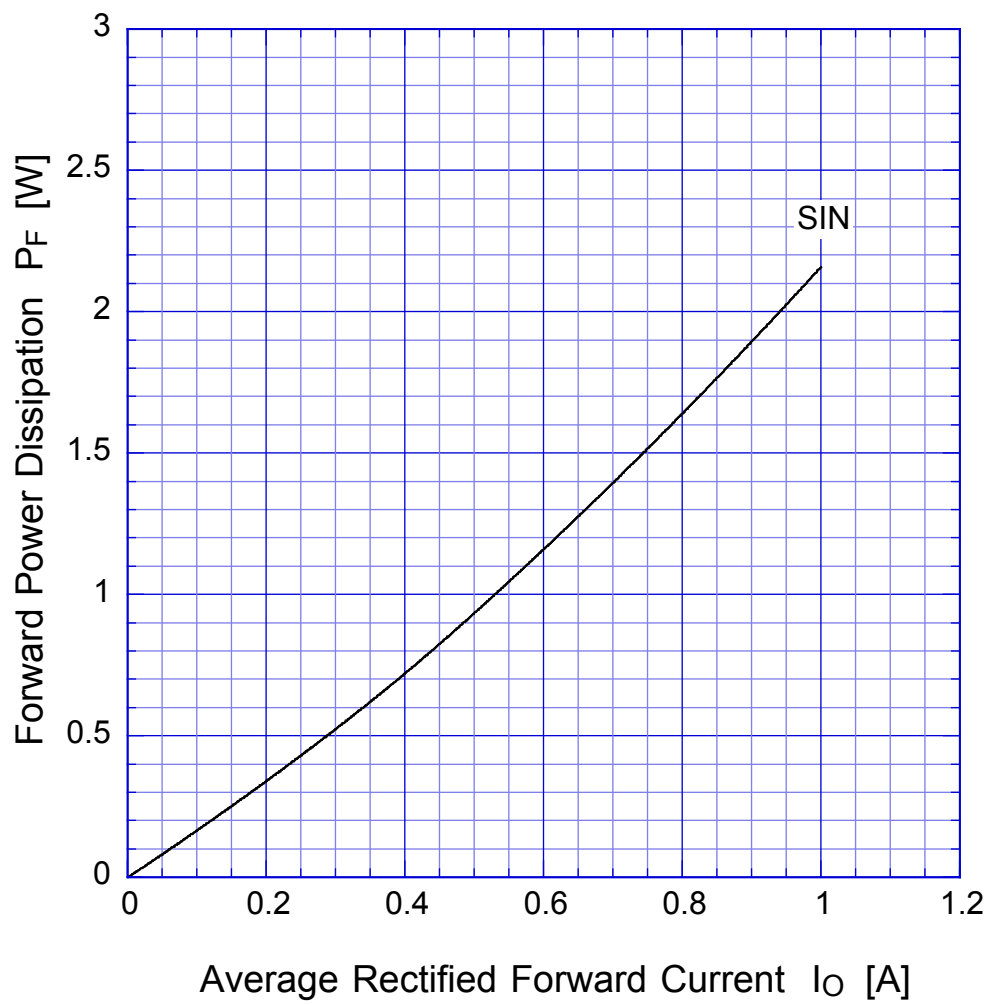
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Forward Voltage



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Forward Power Dissipation

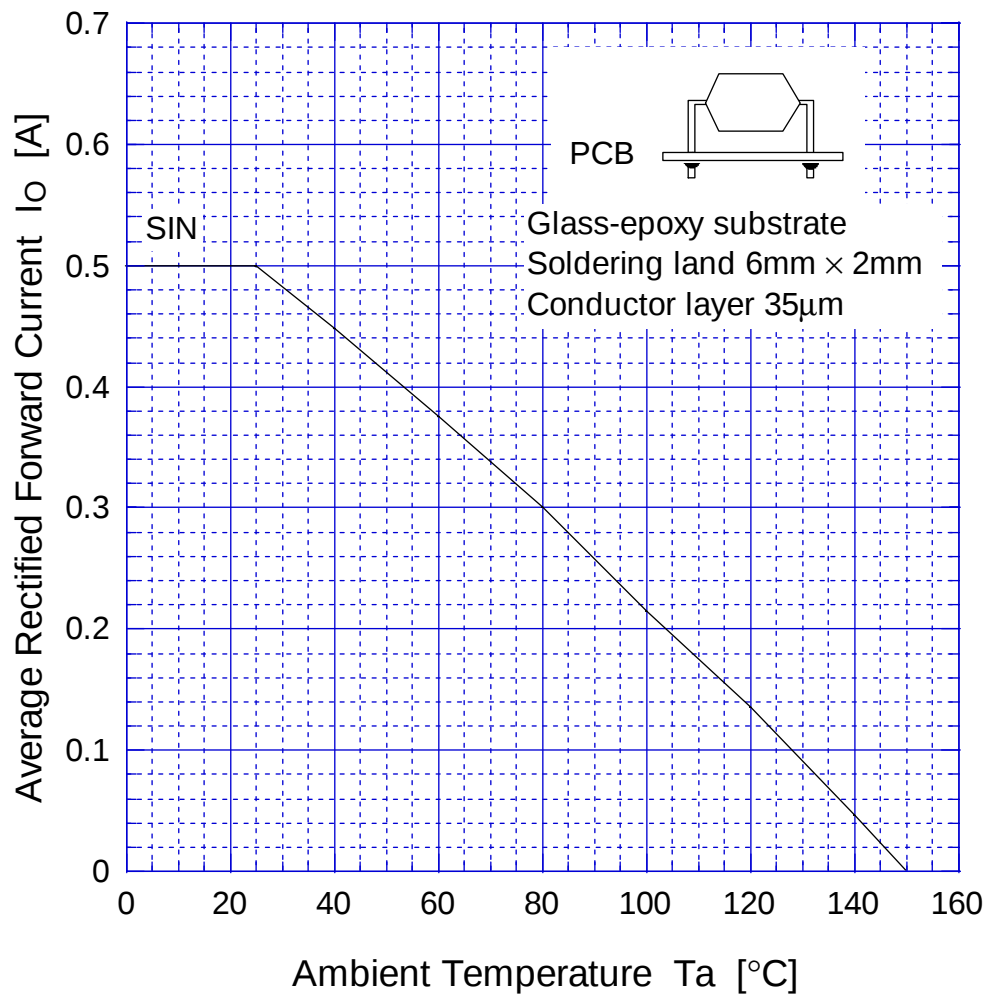


$T_j = 150^\circ\text{C}$

Sine wave

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Derating Curve



Sine wave
R-load
Free in air

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Peak Surge Forward Capability

