

S1YB60

600V 0.4A

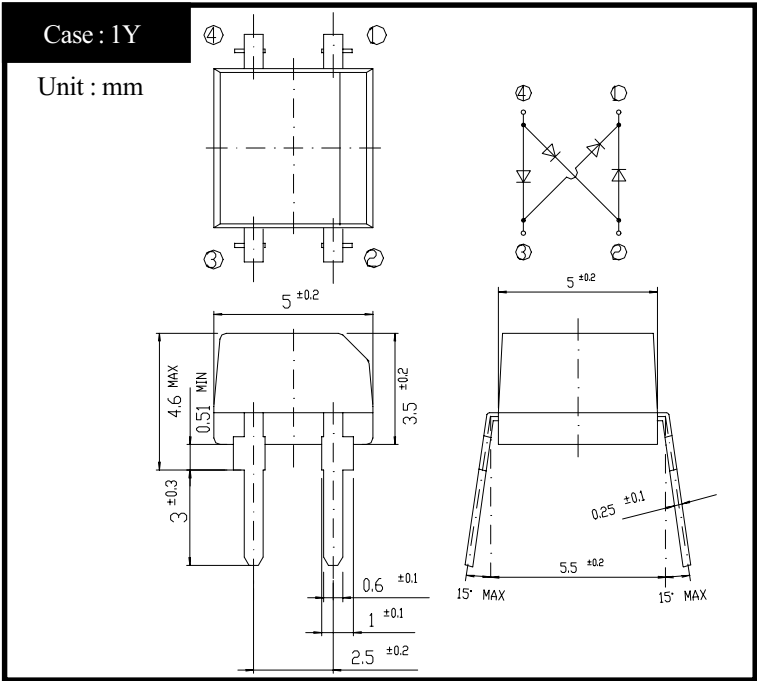
FEATURES

- Small Dual In-Line(: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



RATINGS

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

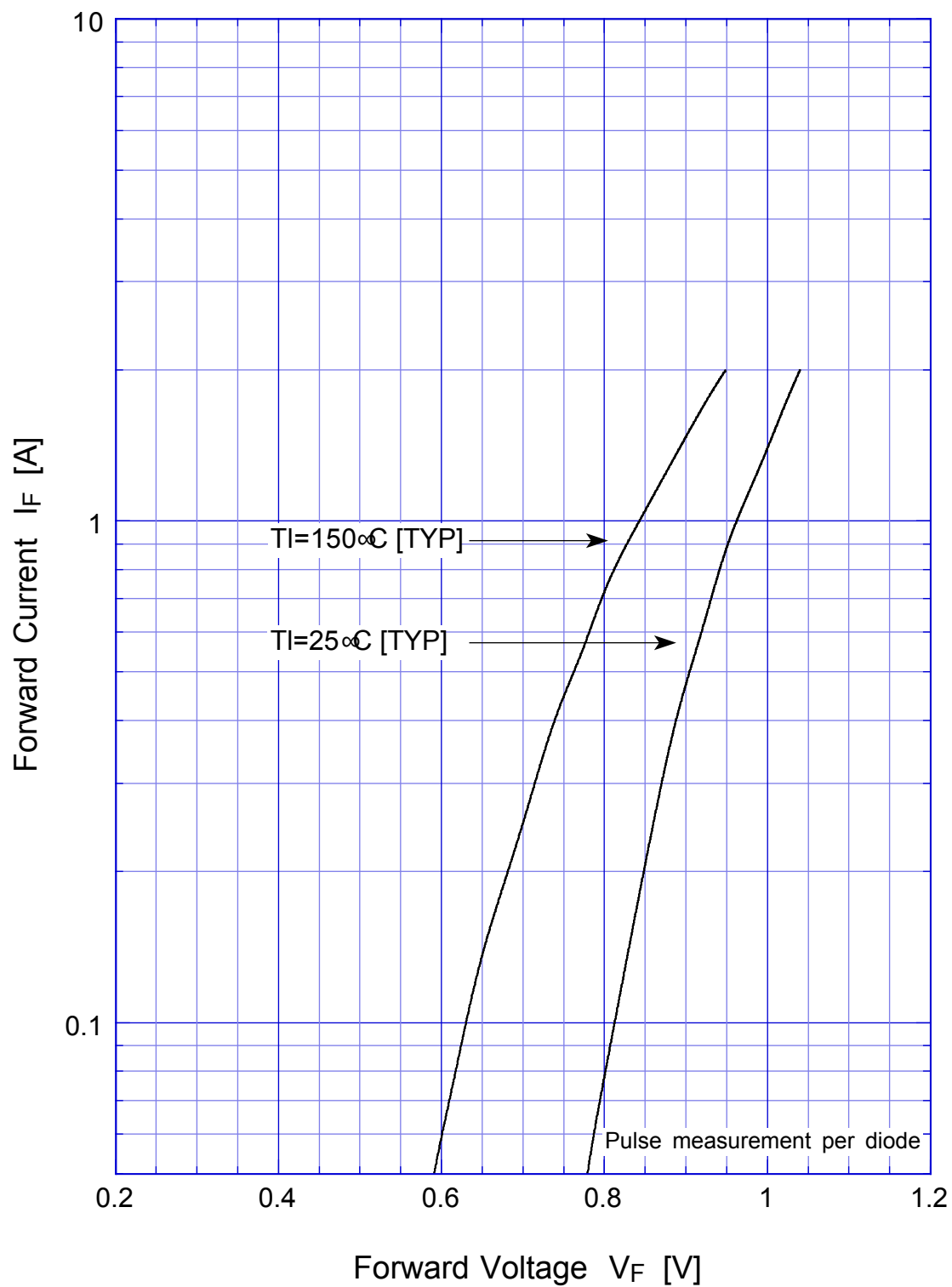
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T stg		-40~150	°C
Operating Junction Temperature	T j		150	°C
Maximum Reverse Voltage	V RM		600	V
Average Rectified Forward Current	I O	50Hz sine wave, R-load T a=40°C	0.4	A
Peak Surge Forward Current	I FSM	50Hz sine wave, Non-repetitive 1 cycle peak value, T j=25°C	30	A
Current Squared Time	I ² t	1ms ≤ t < 10ms T j=25°C	4.5	A²s

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

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V F	I F=0.2A, 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	μ A
Thermal Resistance	θ j l	junction to lead	Max.20	°C/W
	θ j a	junction to ambient	Max.150	

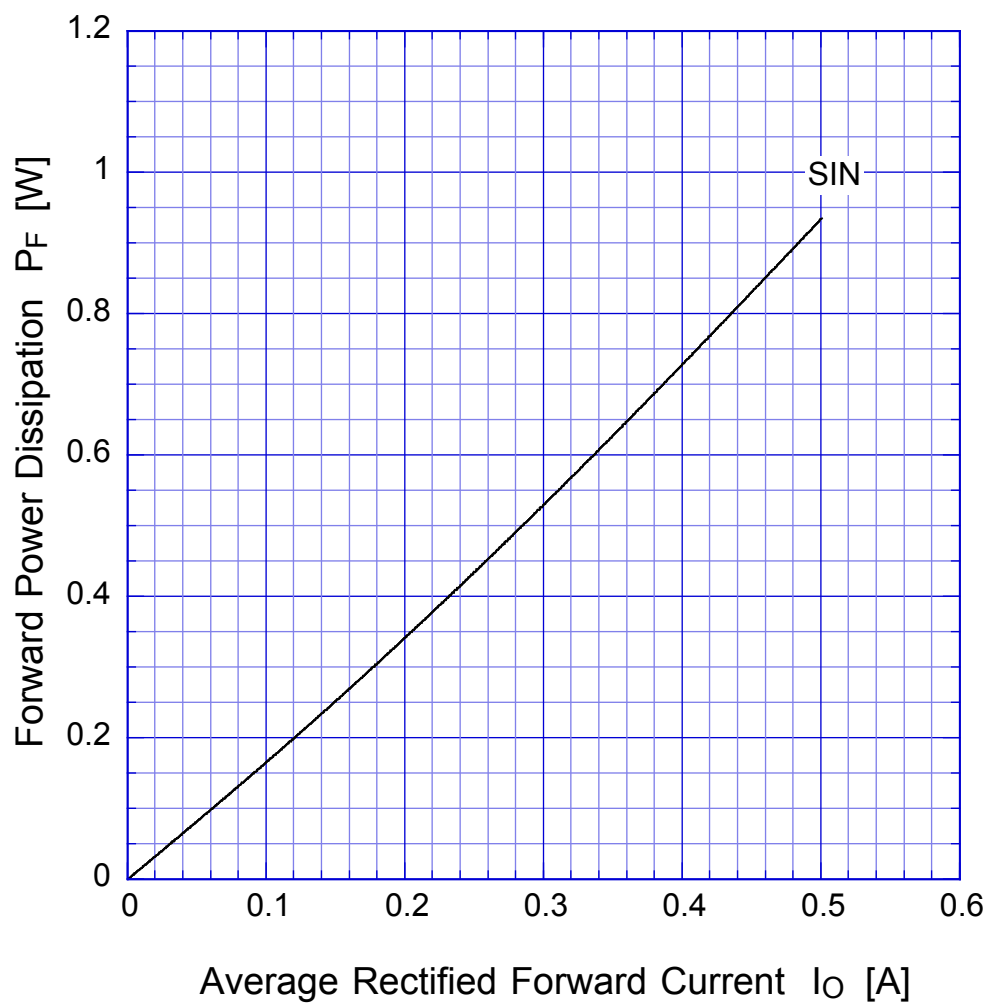
S1YBx

Forward Voltage



S1YBx

Forward Power Dissipation

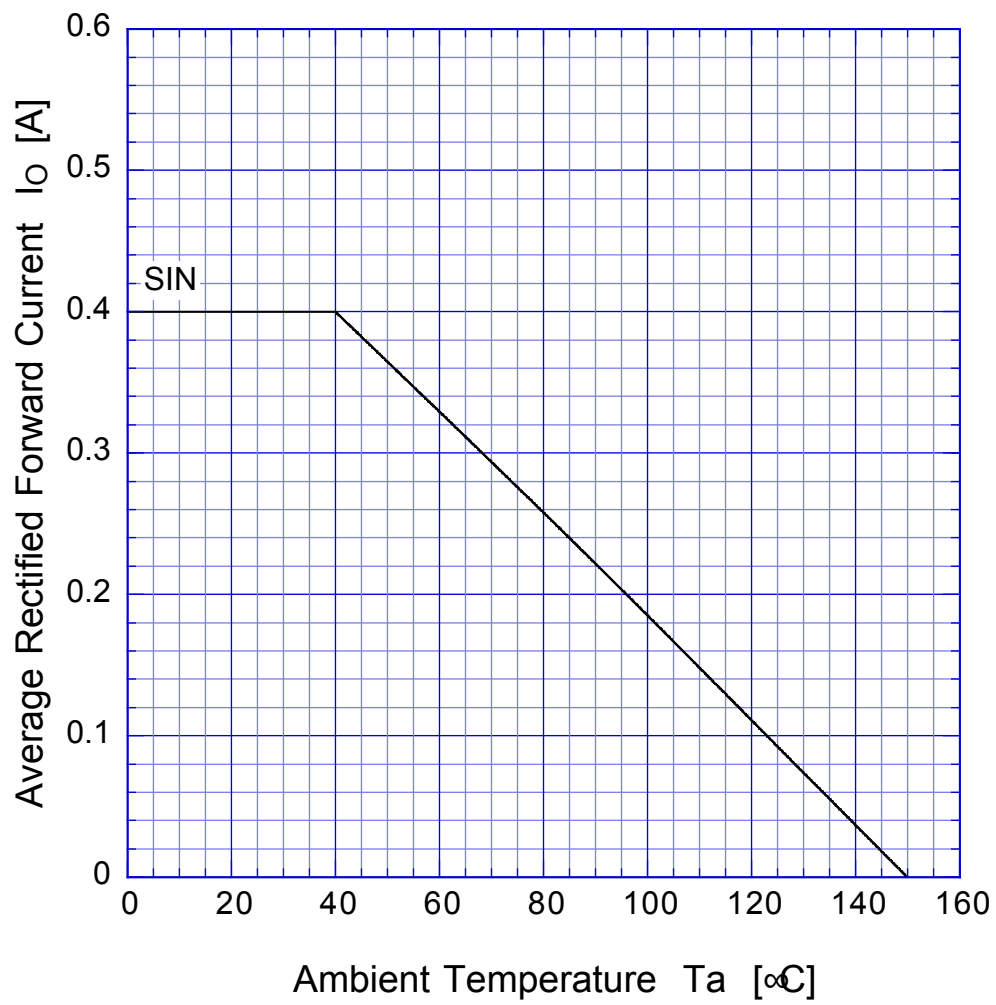


$T_j = 150^{\circ}\text{C}$

Sine wave

S1YBx

Derating Curve



Sine wave

R-load

Free in air

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Peak Surge Forward Capability

