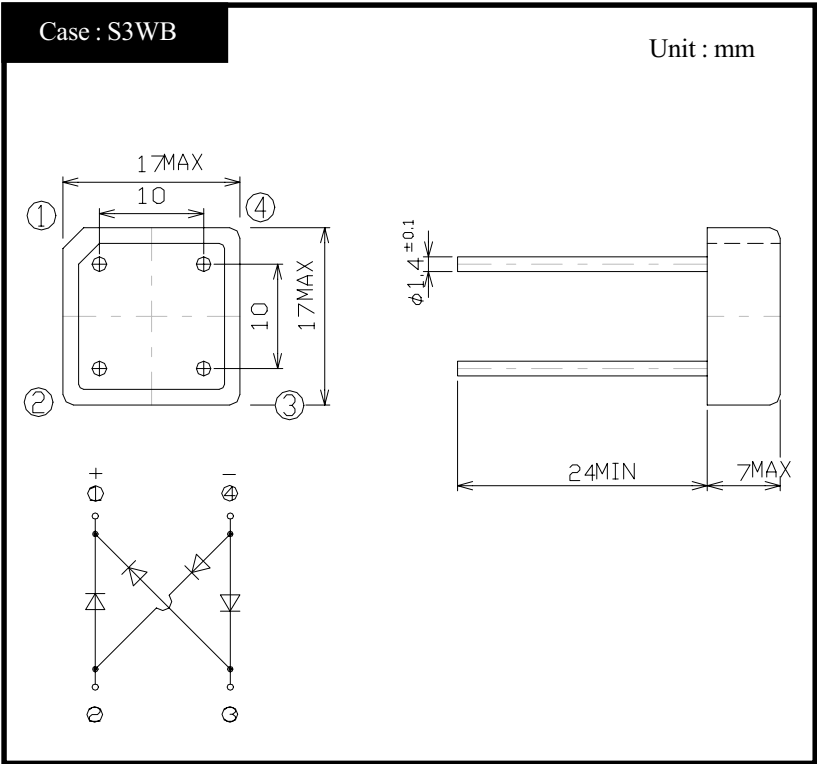


S3WB60

600V 2.3A

OUTLINE DIMENSIONS



RATINGS

● Absolute Maximum Ratings

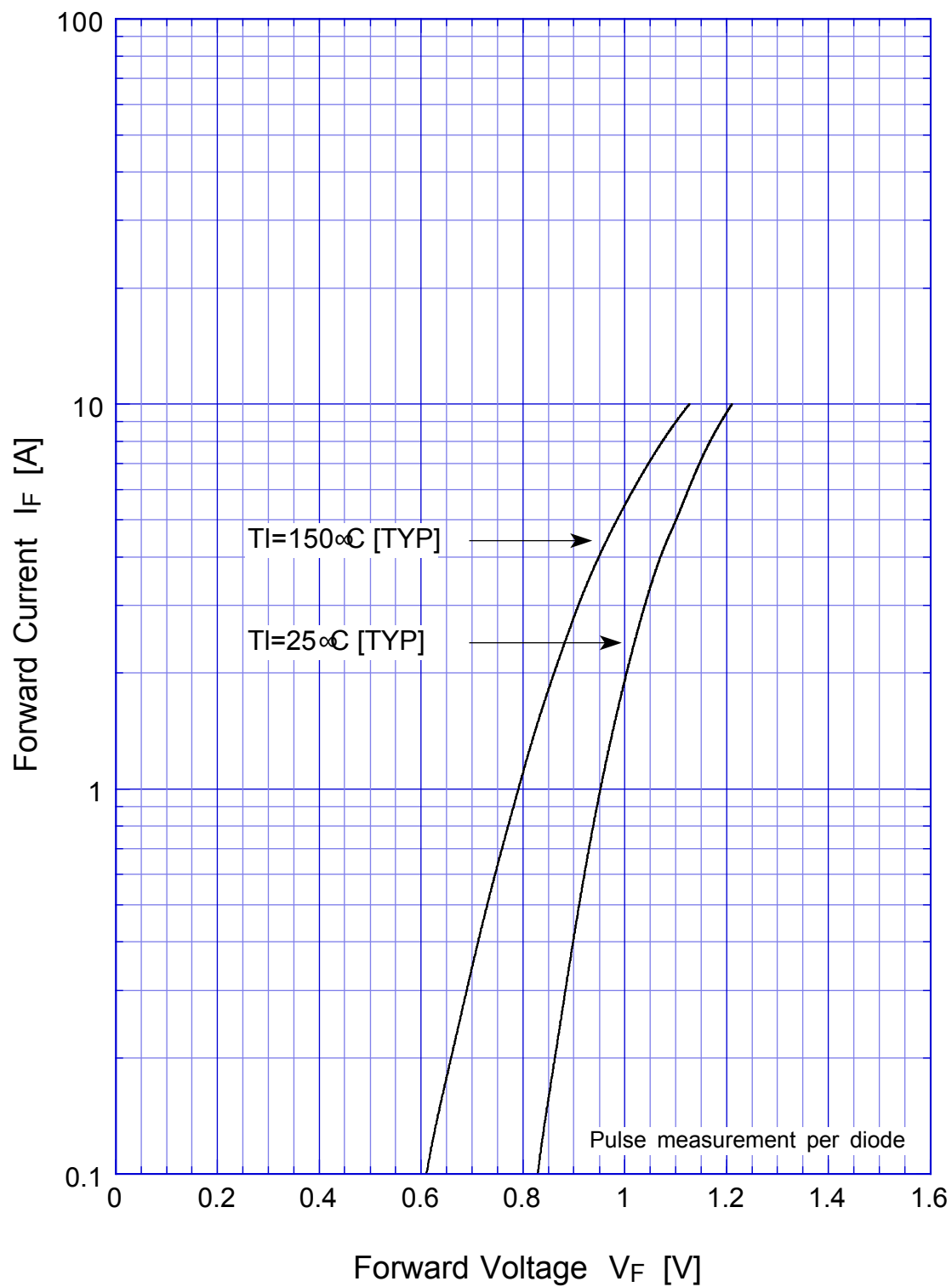
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-40~150	°C
Operating Junction Temperature	T _j		150	°C
Maximum Reverse Voltage	V _{RM}		600	V
Average Rectified Forward Current	I _O	50Hz sine wave, R-load, On glass-epoxy substrate, Ta=40°C	2.3	A
Peak Surge Forward Current	I _{FSM}	50Hz sine wave, Non-repetitive 1cycle peak value, Tj=25°C	120	A
Current Squared Time	I ² t	1ms≤t<10ms Tj=25°C	60	A ² s

● Electrical Characteristics (Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V _F	IF=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	μA
Thermal Resistance	θ _{jl}	junction to lead	Max.5.5	°C/W
	θ _{ja}	junction to ambient	Max.26.5	

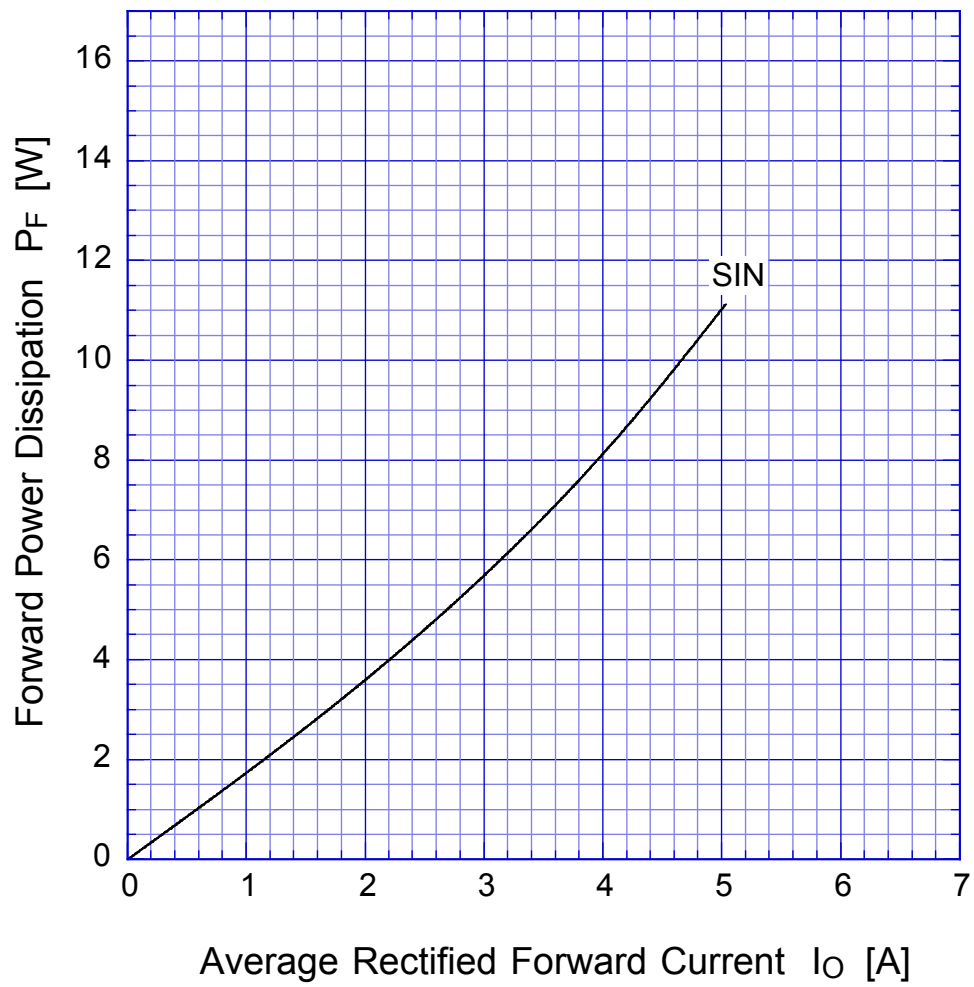
S3WBx

Forward Voltage



S3WBx

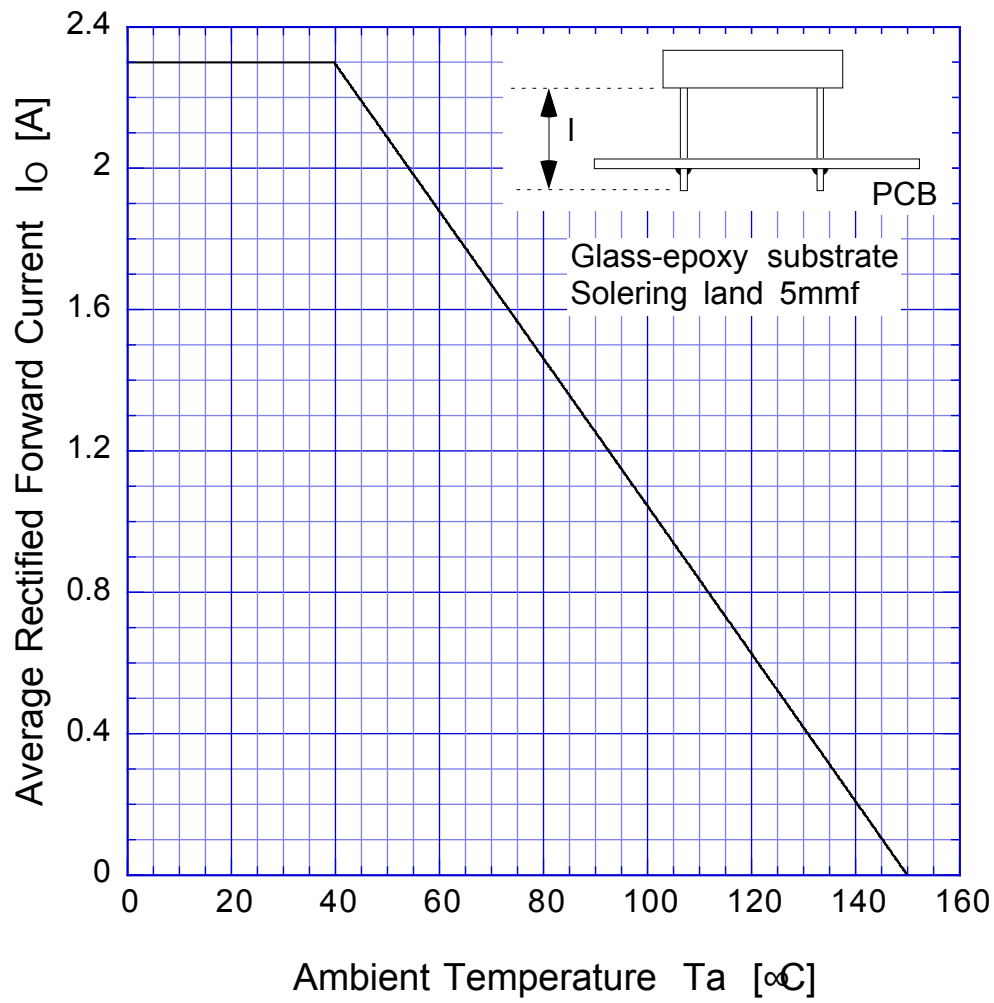
Forward Power Dissipation



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

S3WBx

Derating Curve



Sine wave
R-load
Free in air

S3WBx

Peak Surge Forward Capability

