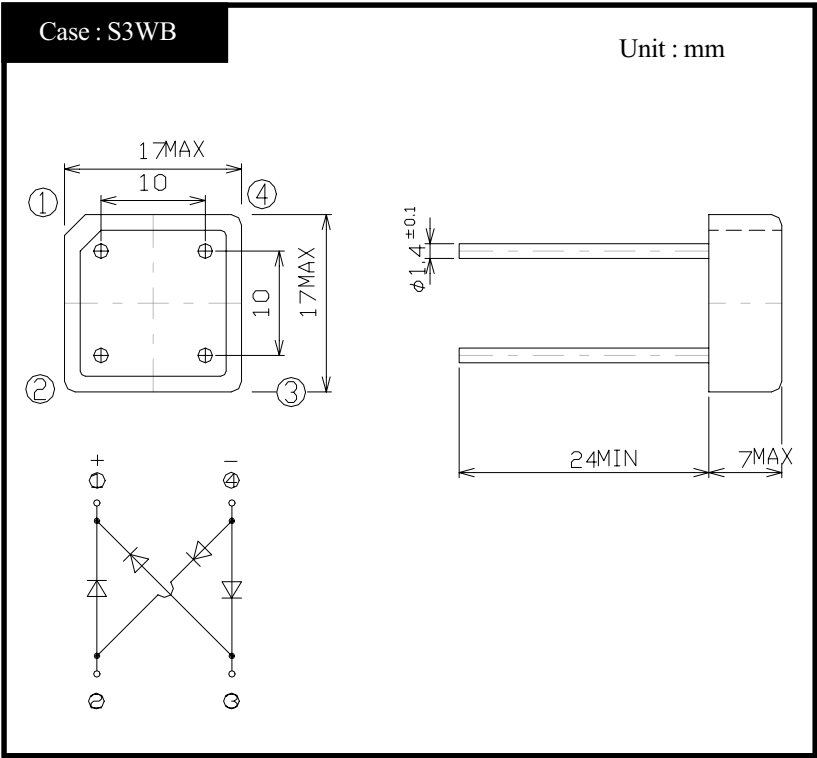


S3WB20

200V 2.3A

OUTLINE DIMENSIONS



RATINGS

● Absolute Maximum Ratings

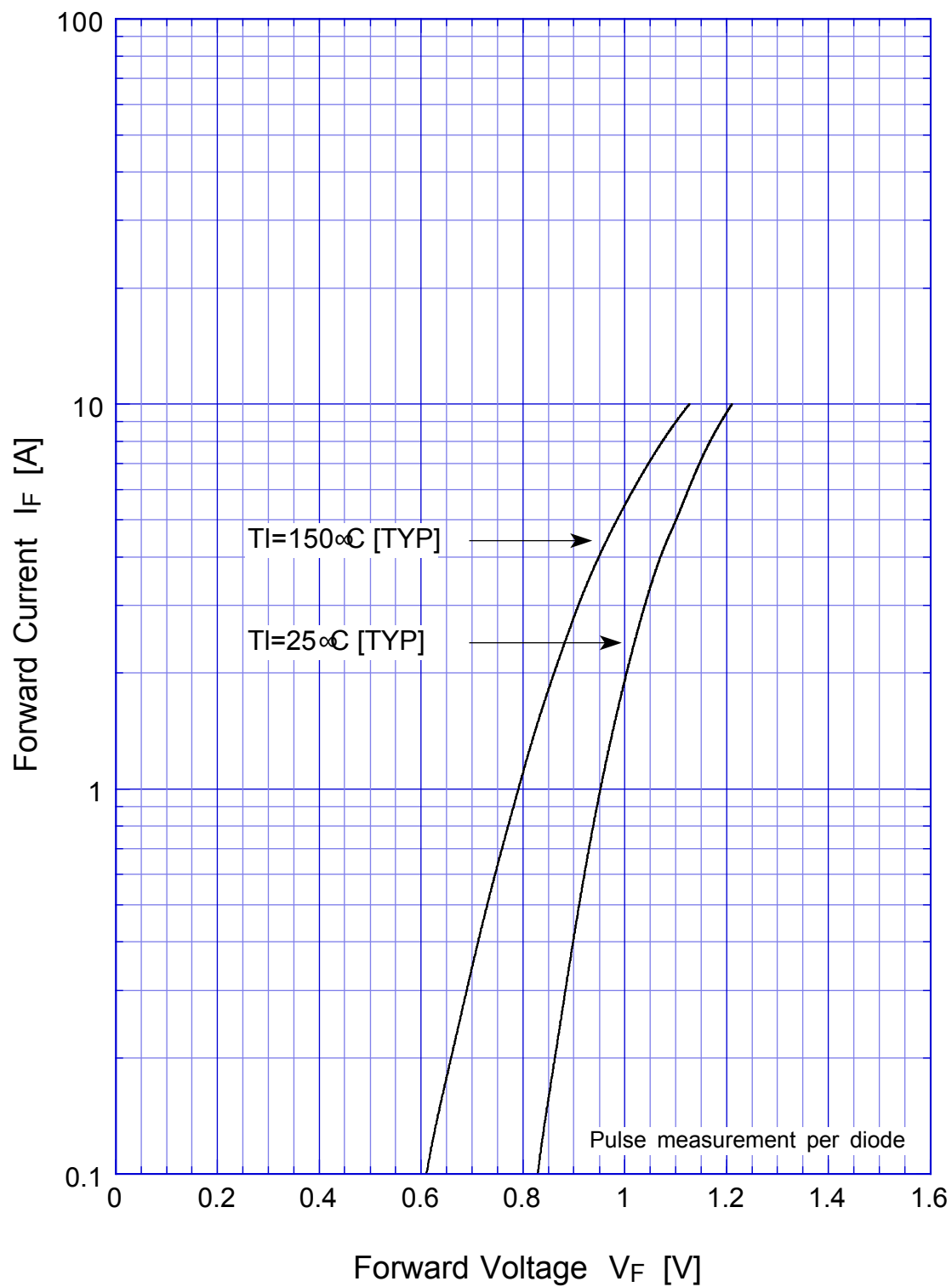
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-40~150	℃
Operating Junction Temperature	T _j		150	℃
Maximum Reverse Voltage	V _{RM}		200	V
Average Rectified Forward Current	I _O	50Hz sine wave, R-load, On glass-epoxy substrate, T _a =40℃	2.3	A
Peak Surge Forward Current	I _{FSM}	50Hz sine wave, Non-repetitive 1cycle peak value, T _j =25℃	120	A
Current Squared Time	I ² t	1ms≤t<10ms T _j =25℃	60	A ² s

● Electrical Characteristics (Tl=25℃)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V _F	I _F =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	℃/W
	θ _{ja}	junction to ambient	Max.26.5	

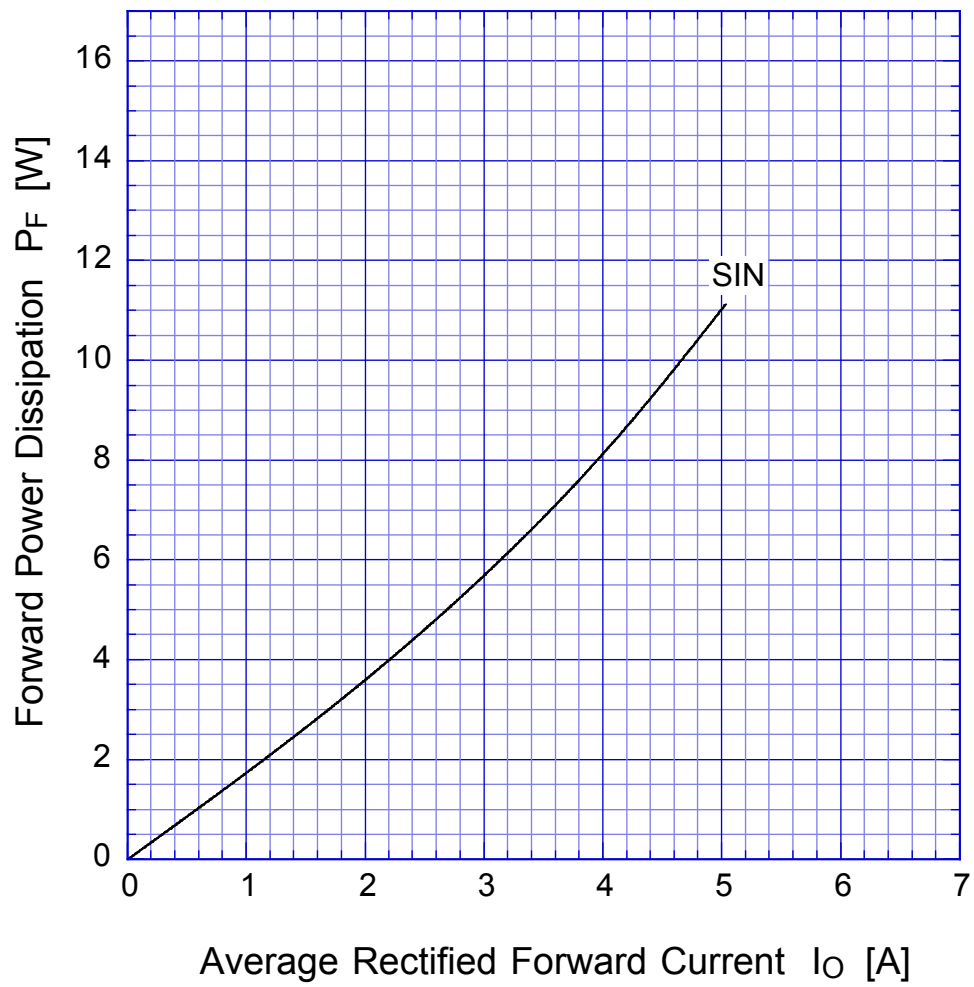
S3WBx

Forward Voltage



S3WBx

Forward Power Dissipation

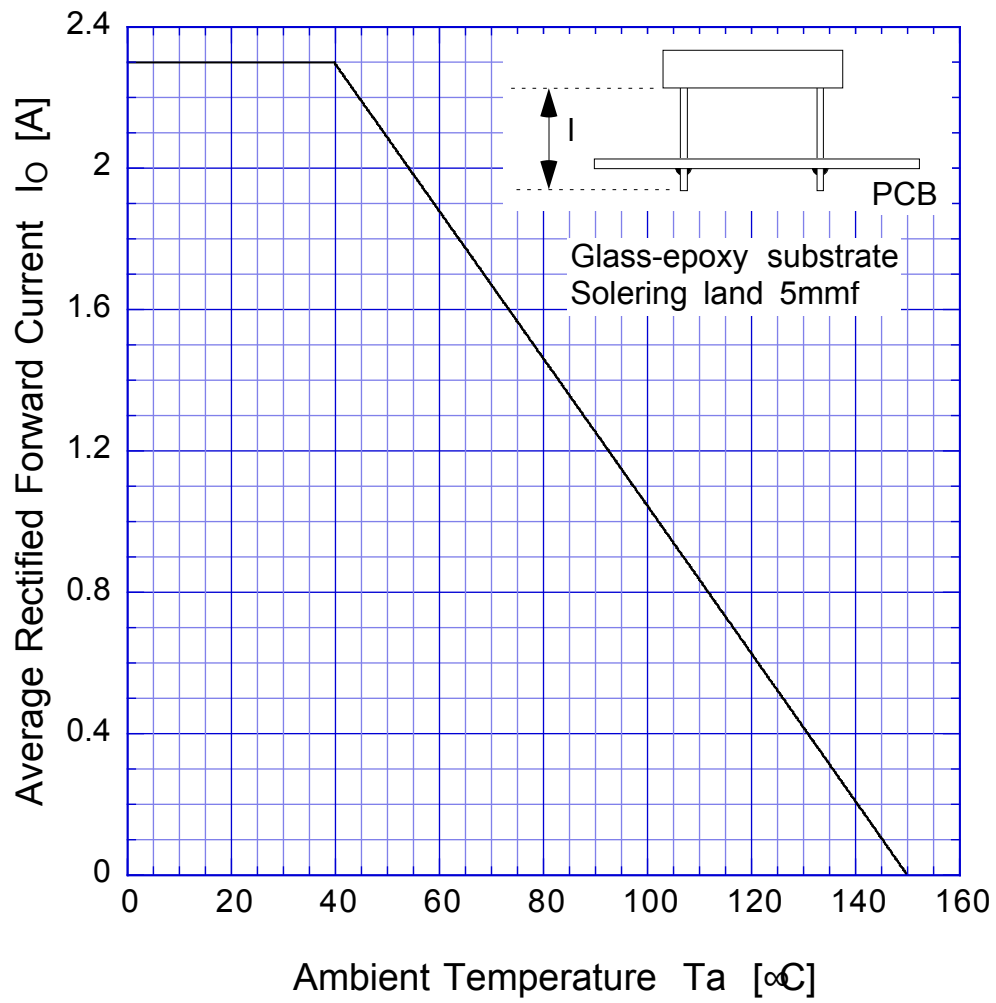


$T_j = 150^\circ\text{C}$

Sine wave

S3WBx

Derating Curve



Sine wave
R-load
Free in air

S3WBx

Peak Surge Forward Capability

