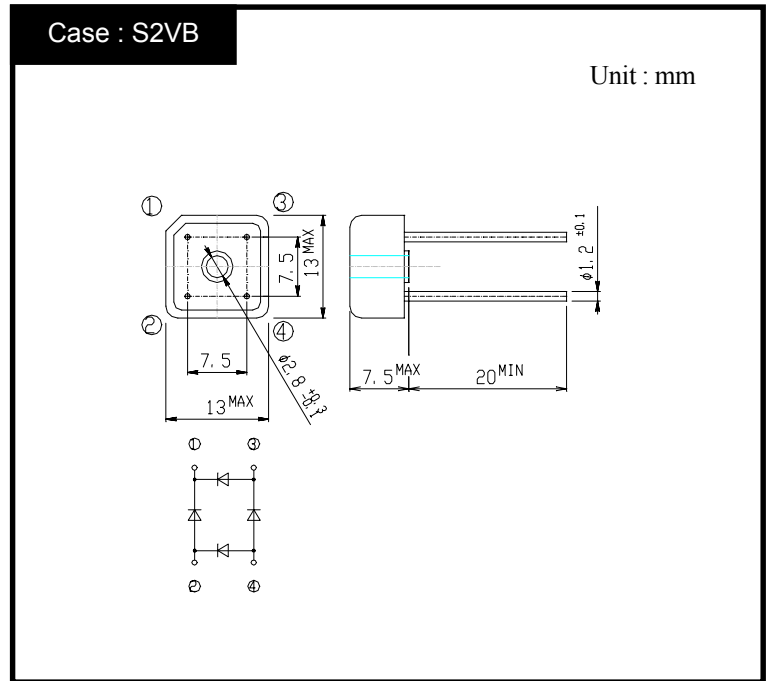


S2VB20

200V 2A

OUTLINE DIMENSIONS



RATINGS

● Absolute Maximum Ratings

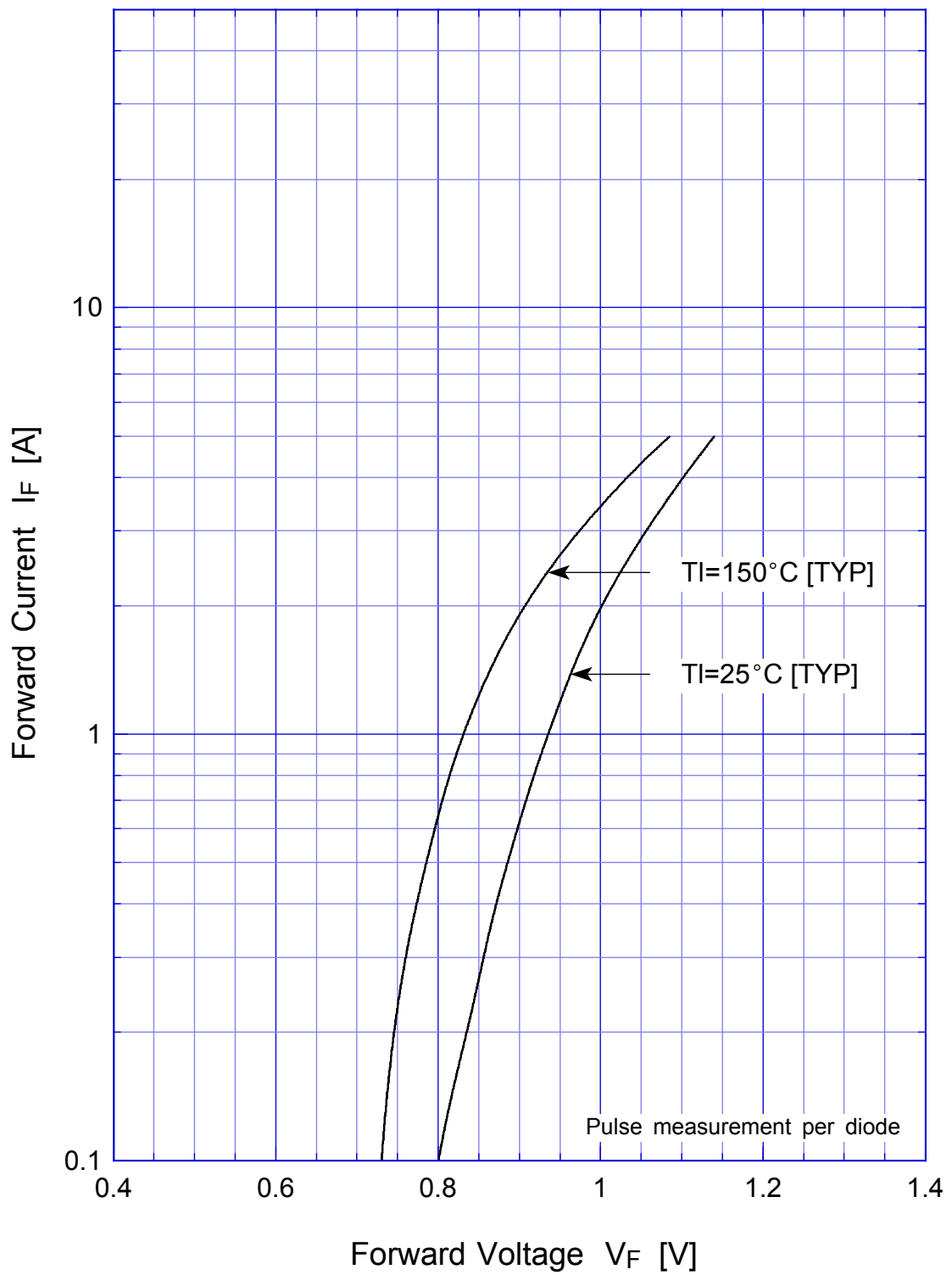
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T_{stg}		-40~150	°C
Operating Junction Temperature	T_j		150	°C
Maximum Reverse Voltage	V_{RM}		200	V
Average Rectified Forward Current	I_O	50Hz sine wave, R-load, Without heatsink, $T_a=40^{\circ}C$	2	A
Peak Surge Forward Current	I_{FSM}	50Hz sine wave, Non-repetitive 1cycle peak value, $T_j=25^{\circ}C$	40	A
Current Squared Time	I^2t	$1ms \leq t < 10ms$ $T_c=25^{\circ}C$	6	A^2s
Mounting Torque	TOR	(Recommended torque : 0.3N·m)	0.5	N·m

● Electrical Characteristics ($T_I=25^{\circ}C$)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	$I_F=1A$, 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	$\theta_{j\ell}$	junction to lead	Max.7	°C/W

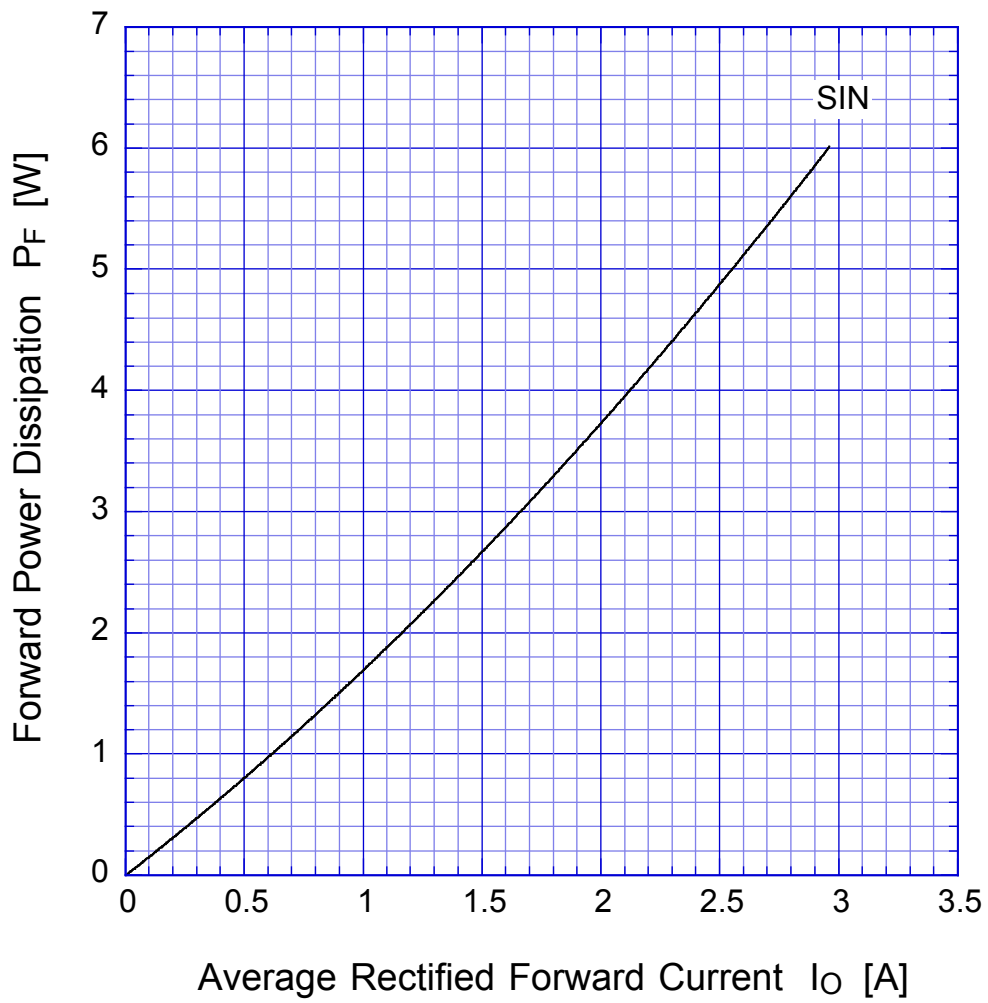
S2VBx

Forward Voltage



S2VBx

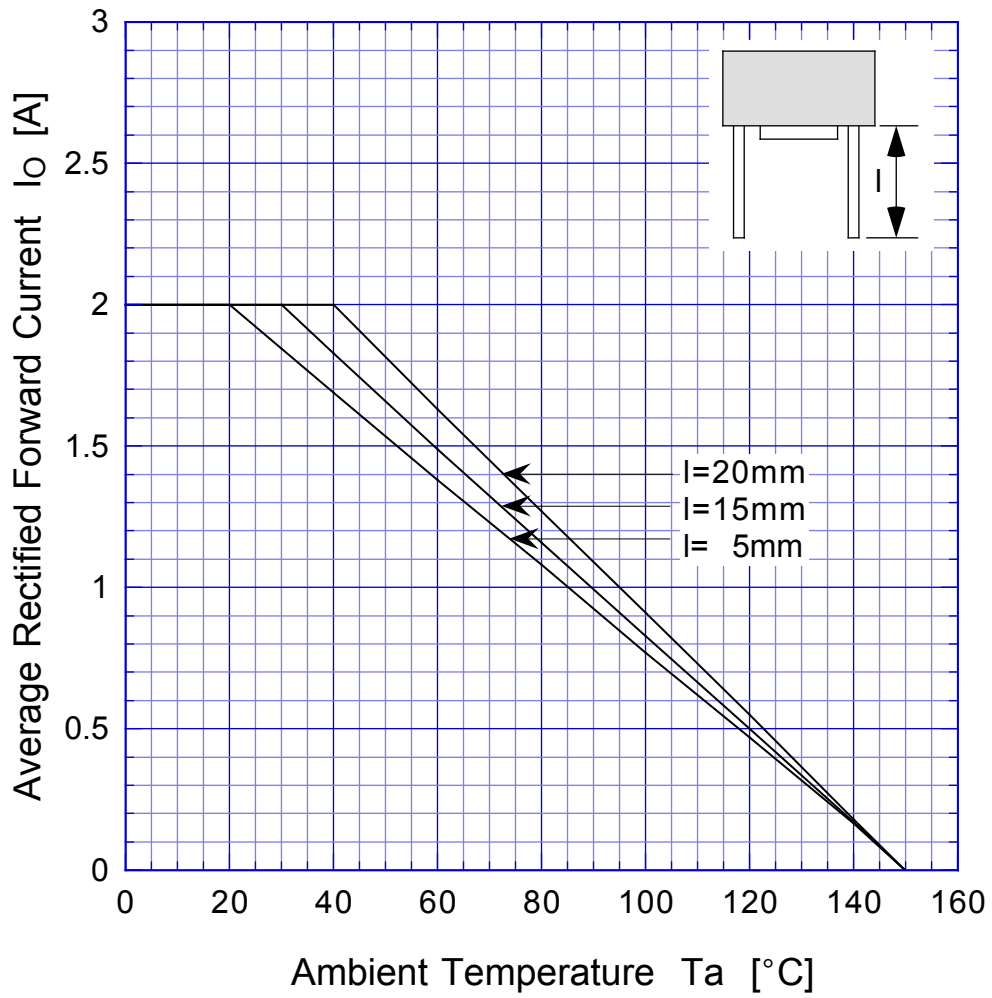
Forward Power Dissipation



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

S2VBx

Derating Curve



Sine wave
R-load
Free in air

S2VBx

Peak Surge Forward Capability

