

SHINDENGEN

Bridge Diode

Square In-line Package

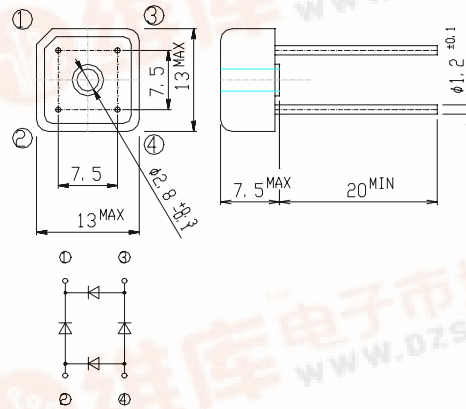
S2VB60

600V 2A

OUTLINE DIMENSIONS

Case : S2VB

Unit : mm



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, Without heatsink, Ta=40°C	2	A
Peak Surge Forward Current	I _{FSM}	50Hz sine wave, Non-repetitive 1cycle peak value, Tj=25°C	40	A
Current Squared Time	I ² t	1ms ≤ t < 10ms Tc=25°C	6	A ² s
Mounting Torque	TOR	(Recommended torque : 0.3N·m)	0.5	N·m

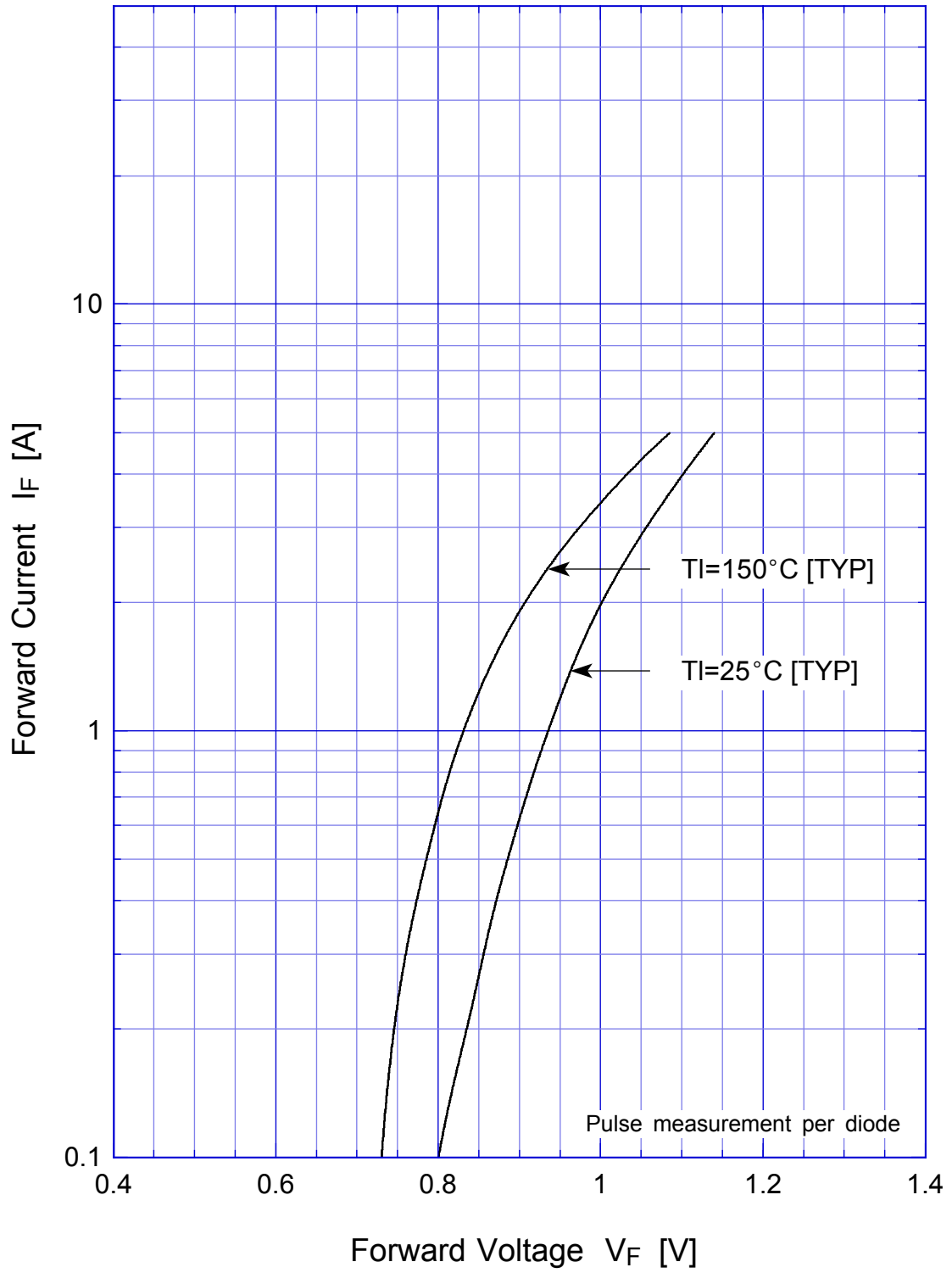
● Electrical Characteristics (Tl=25°C)

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	θ _{jl}	junction to lead	Max.7	°C/W



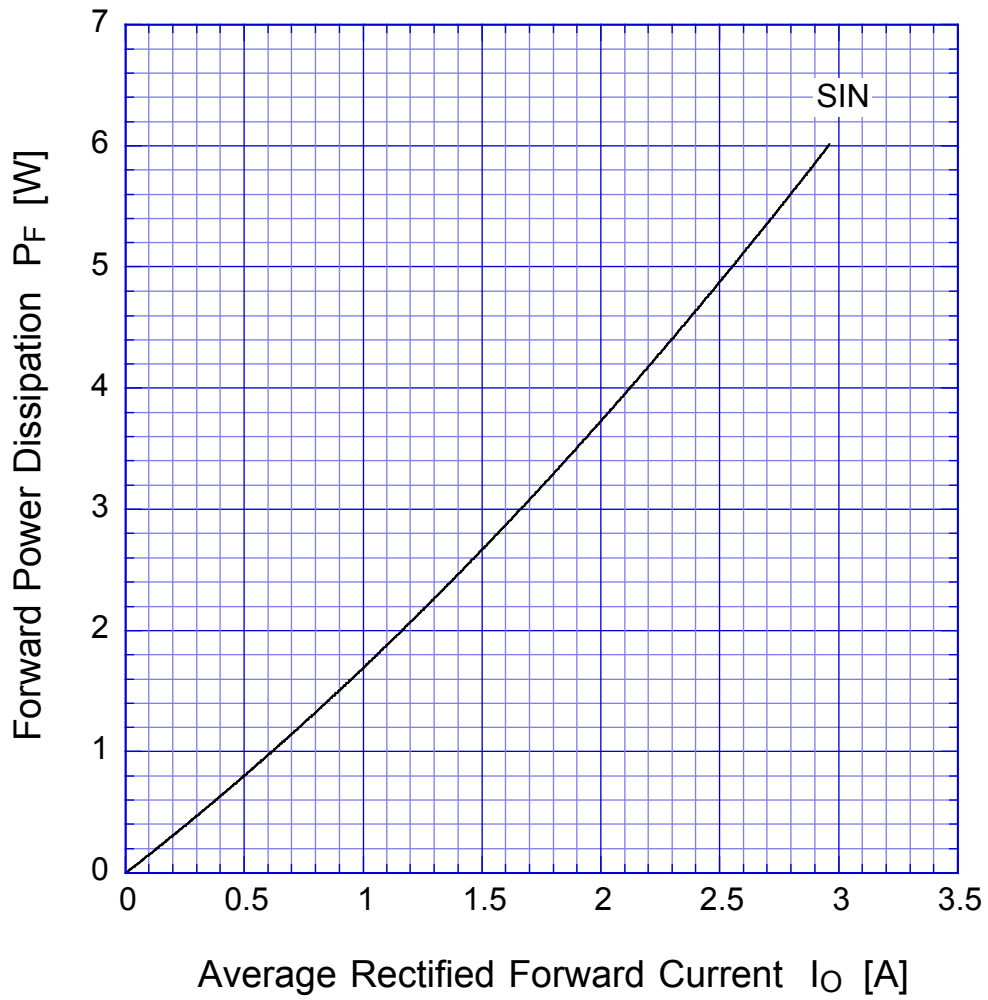
S2VBx

Forward Voltage



S2VBx

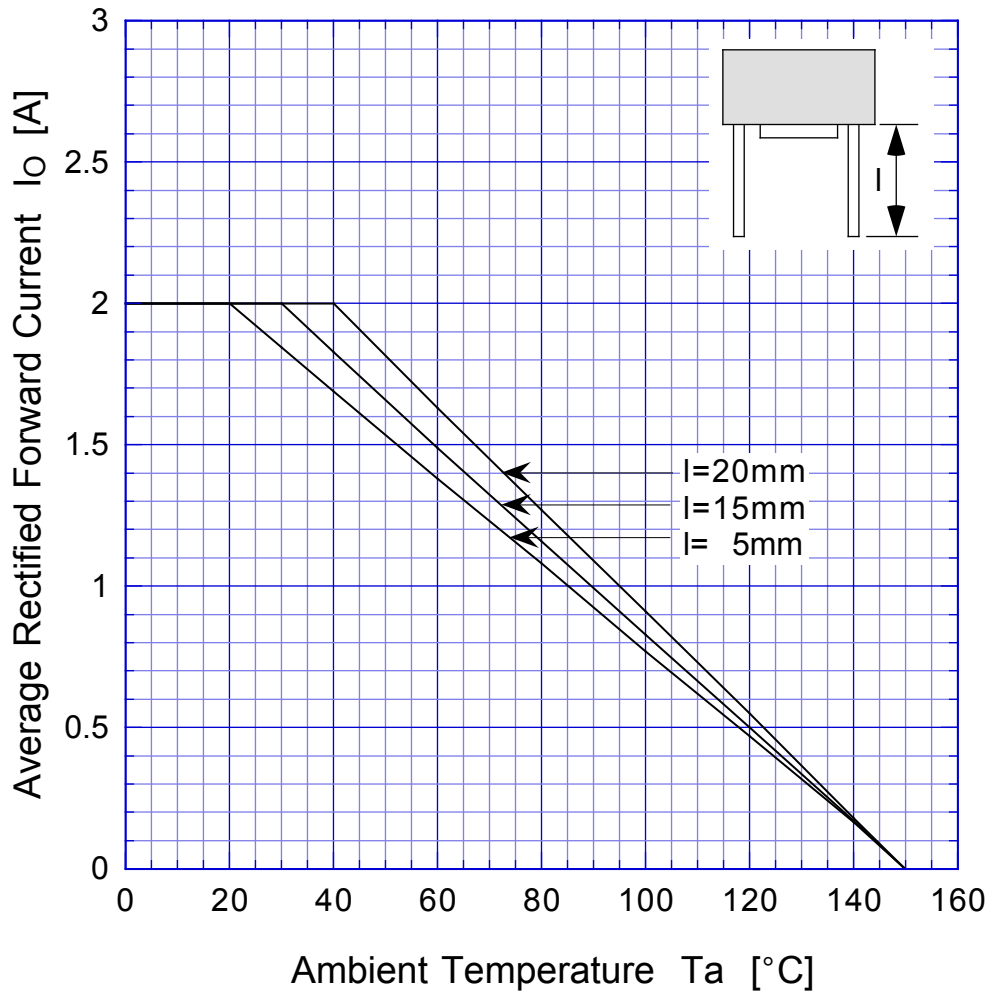
Forward Power Dissipation



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

S2VBx

Derating Curve



Sine wave
R-load
Free in air

S2VBx

Peak Surge Forward Capability

