

SHINDENGEN

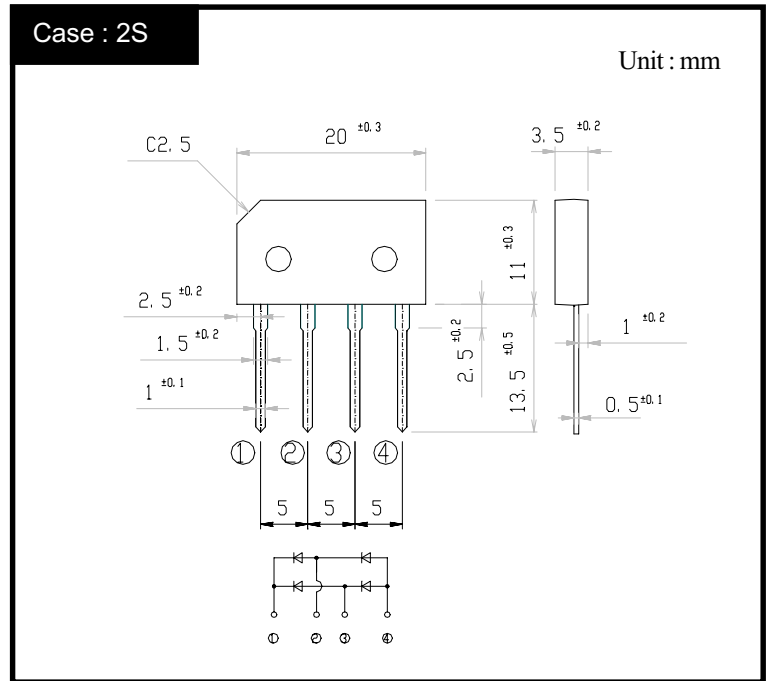
General Purpose Rectifiers

SIL Bridges

D2SB60A

600V 2A

OUTLINE DIMENSIONS



RATINGS

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

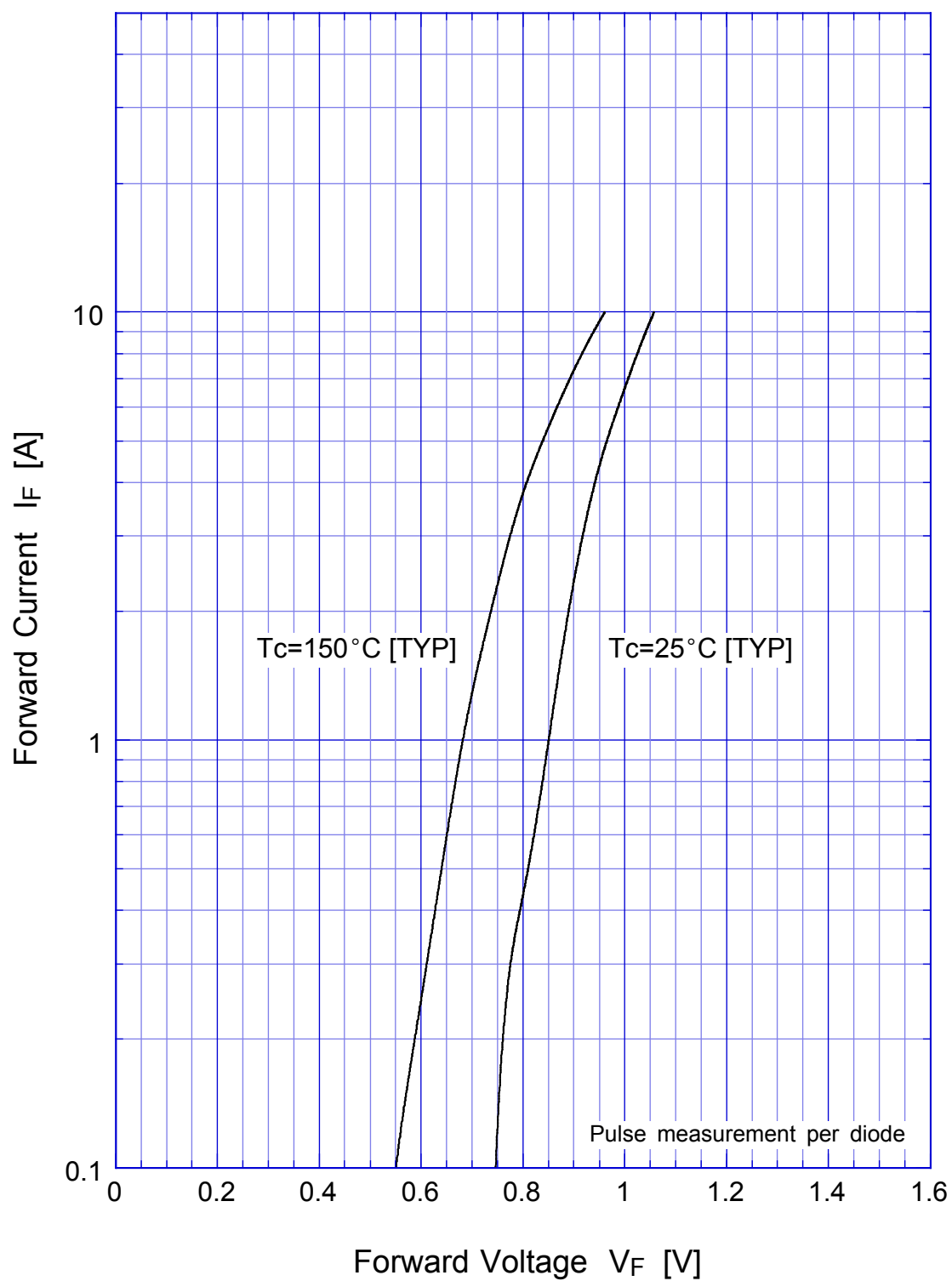
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-40~150	°C
Operating Junction Temperature	T _j		150	°C
Maximum Reverse Voltage	V _{RM}		600	V
Average Rectified Forward Current	I _O	50Hz sine wave, R-load Tl=115°C	2.0	A
		50Hz sine wave, R-load Ta=25°C	1.5	
Peak Surge Forward Current	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 (If not specified Tl=25°C)

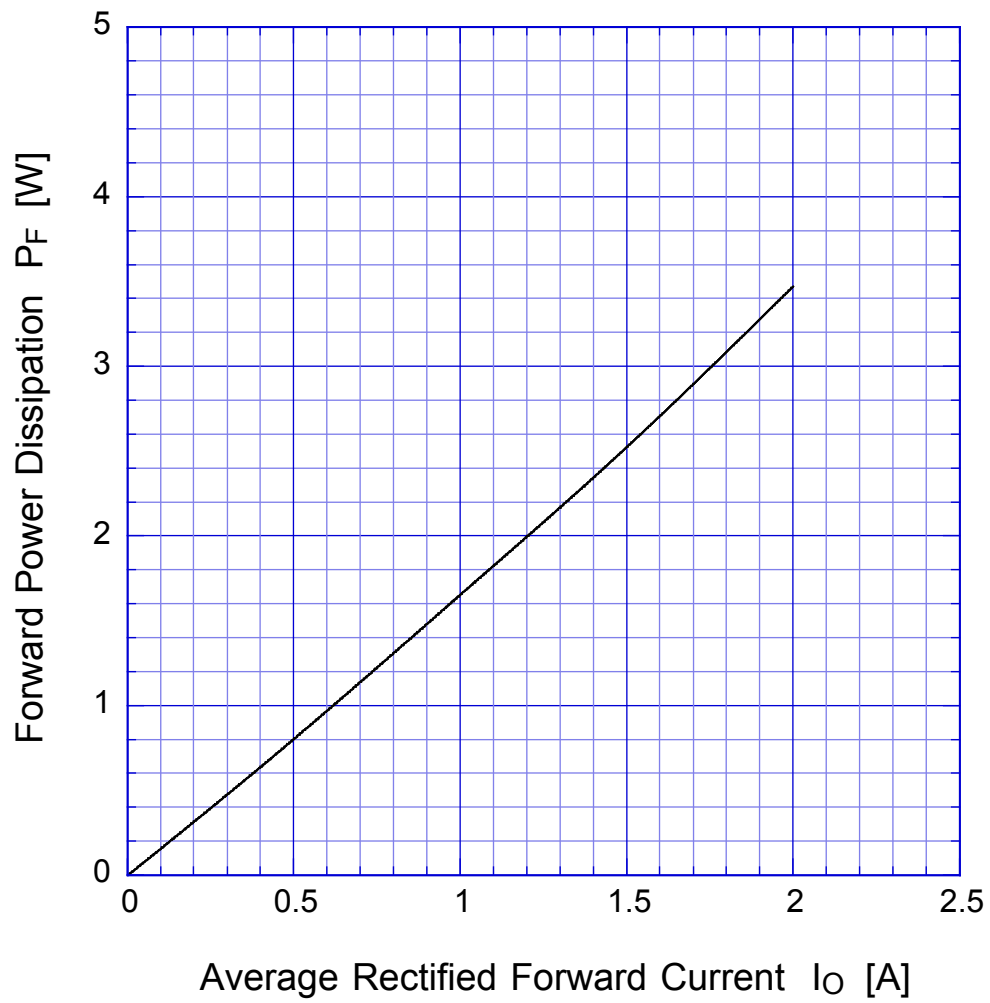
Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V _F	I _F =1A, Pulse measurement, Rating of per diode	Max.0.95	V
Reverse Current	I _R	V _R =600V, Pulse measurement, Rating of per diode	Max.10	μA
Thermal Resistance	θ _{jl}	junction to lead	Max.10	°C/W
	θ _{ja}	junction to ambient	Max.47	

D2SB60A

Forward Voltage



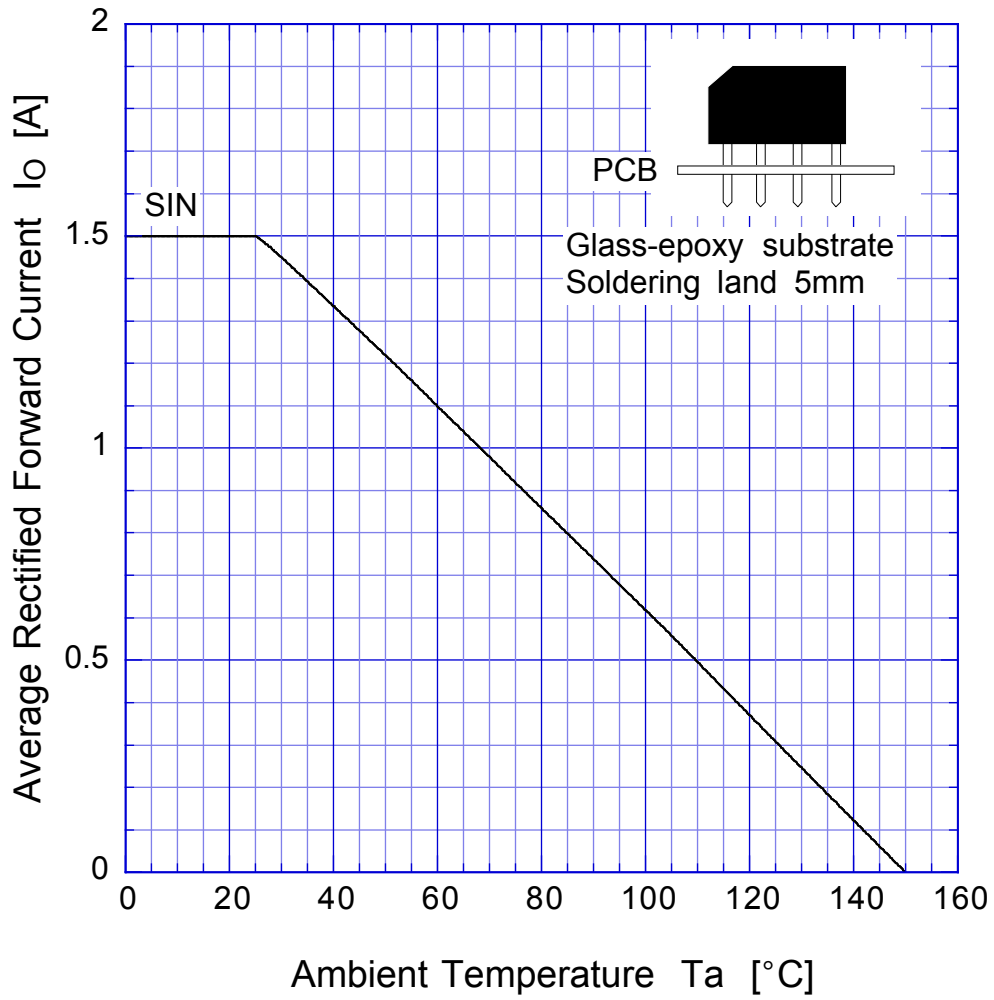
D2SB60A Forward Power Dissipation



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

D2SB60A

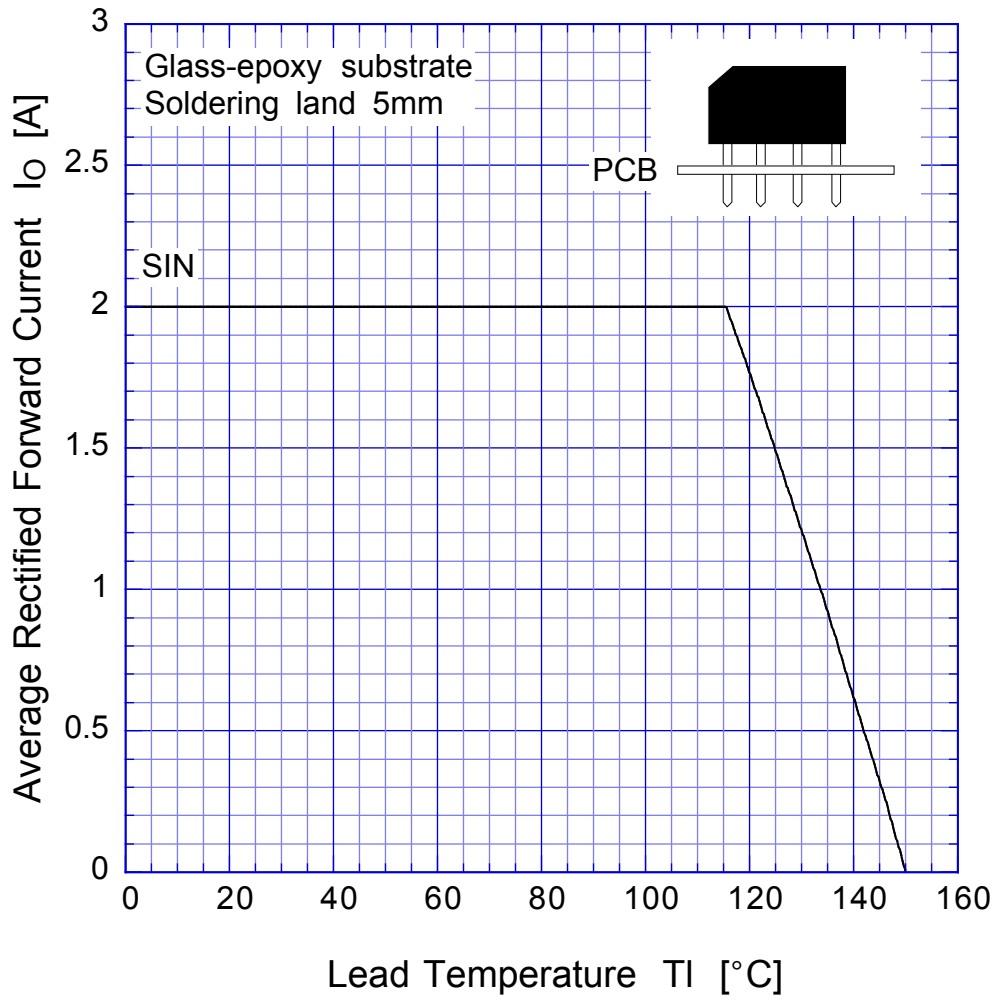
Derating Curve



Sine wave
R-load
Free in air

D2SB60A

Derating Curve



Sine wave
R-load
Free in air

D2SB60A Peak Surge Forward Capability

