

SHINDENGEN

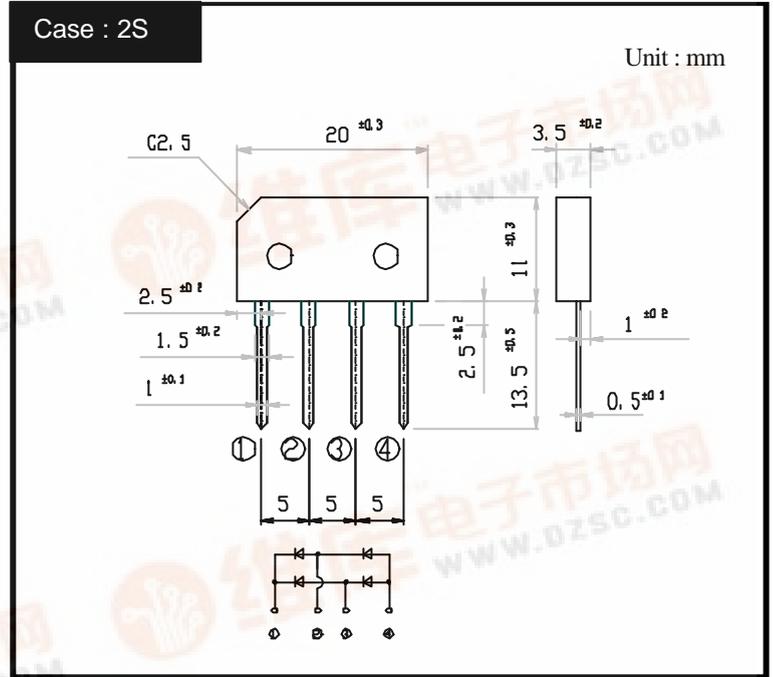
General Purpose Rectifiers

SIL Bridges

D2SB60A

600V 2A

OUTLINE DIMENSIONS



RATINGS

Absolute Maximum Ratings (If not specified $T_I=25$)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T_{stg}		-40 ~ 150	
Operating Junction Temperature	T_j		150	
Maximum Reverse Voltage	V_{RM}		600	V
Average Rectified Forward Current	I_O	50Hz sine wave, R-load $T_I=115$	2.0	A
		50Hz sine wave, R-load $T_a=25$	1.5	
Peak Surge Forward Current	I_{FSM}	50Hz sine wave, Non-repetitive 1cycle peak value, $T_j=25$	120	A
Current Squared Time	I^2t	1ms $t < 10ms$ $T_j=25$	60	A ² s

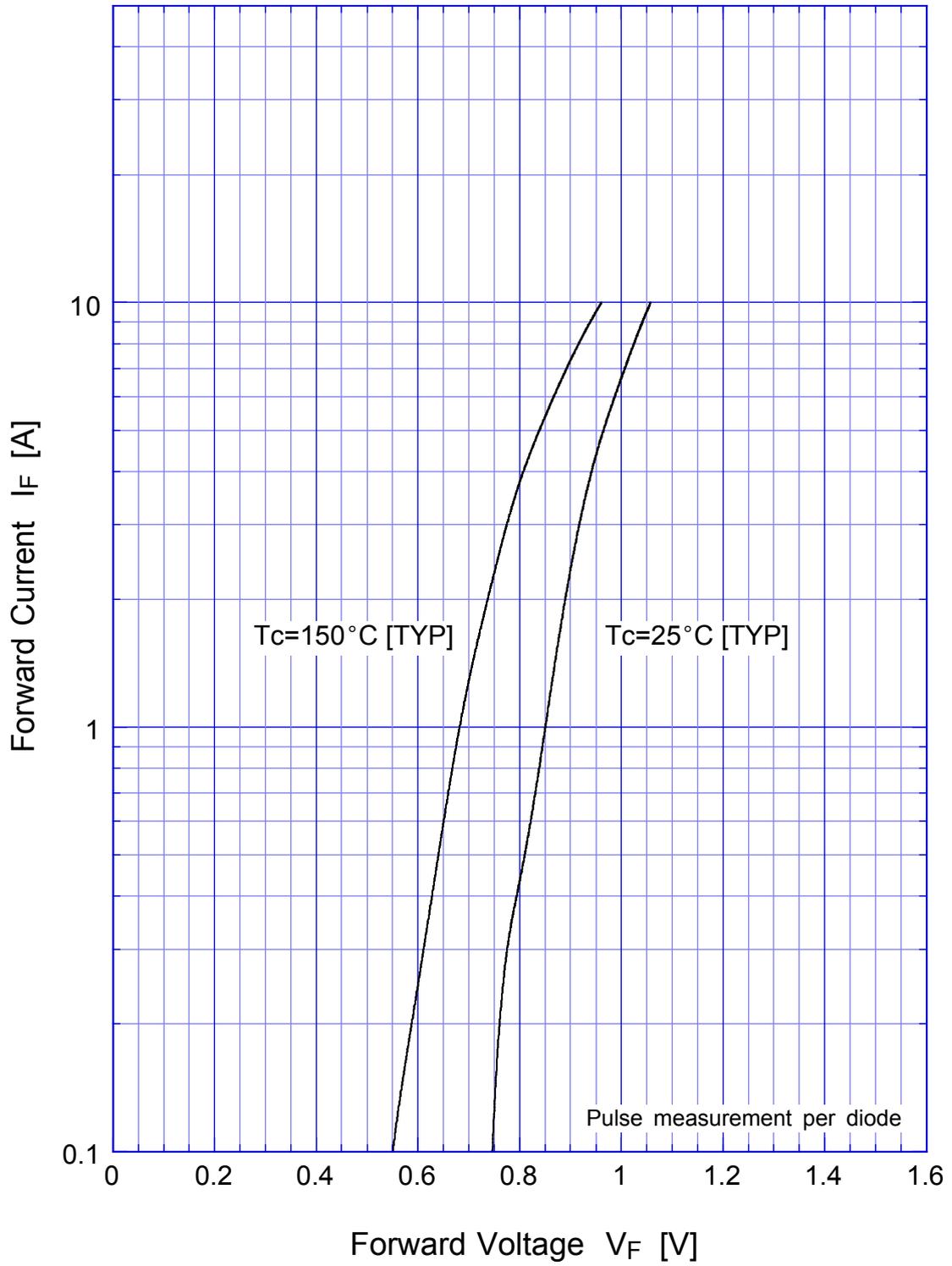
Electrical Characteristics (If not specified $T_I=25$)

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	/W
	θ_{ja}	junction to ambient	Max.47	

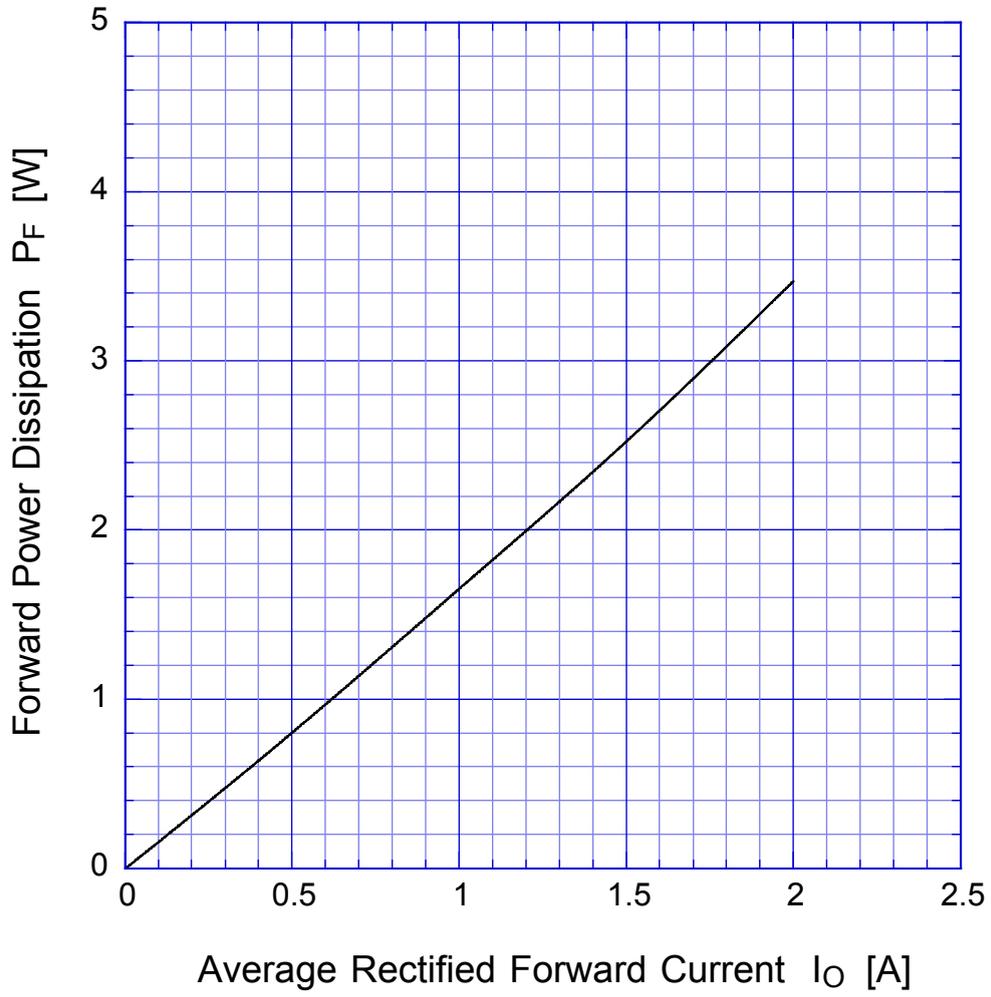


D2SB60A

Forward Voltage



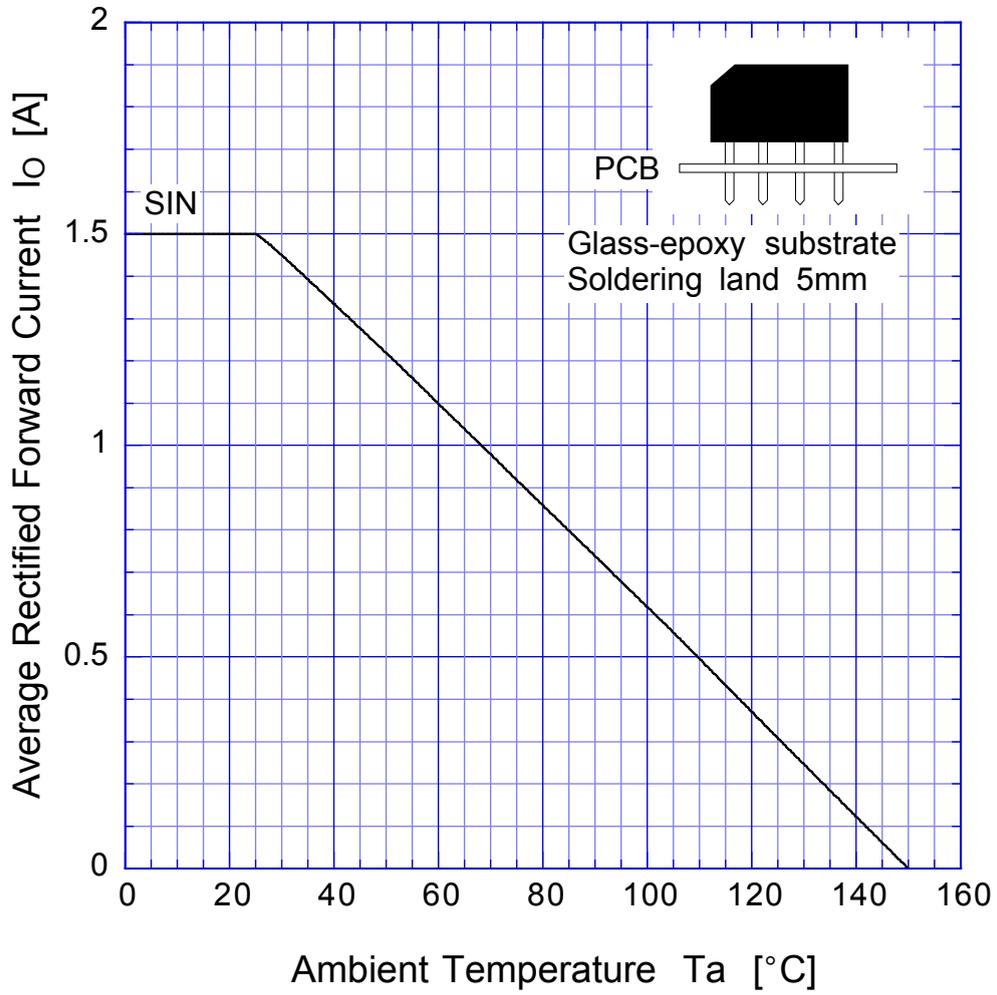
D2SB60A Forward Power Dissipation



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

D2SB60A

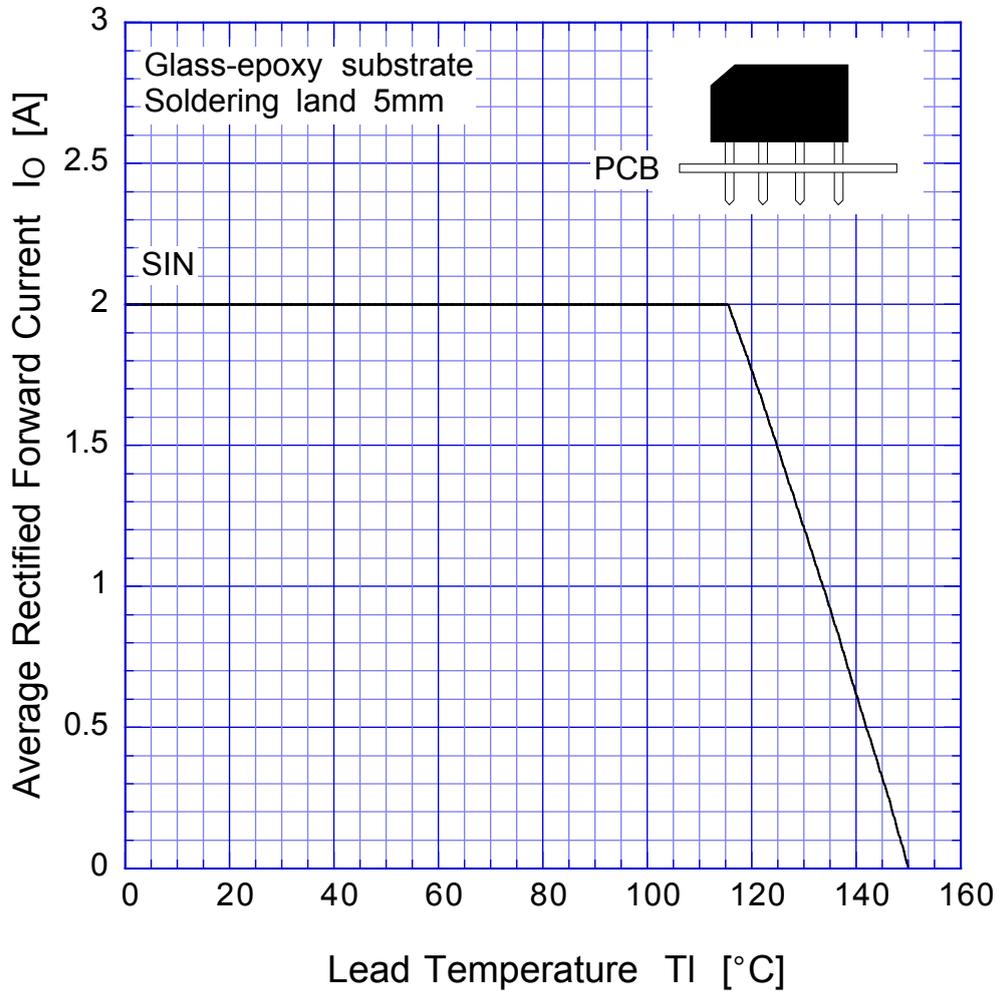
Derating Curve



Sine wave
R-load
Free in air

D2SB60A

Derating Curve



Sine wave
R-load
Free in air

D2SB60A Peak Surge Forward Capability

