

# SHINDENGEN

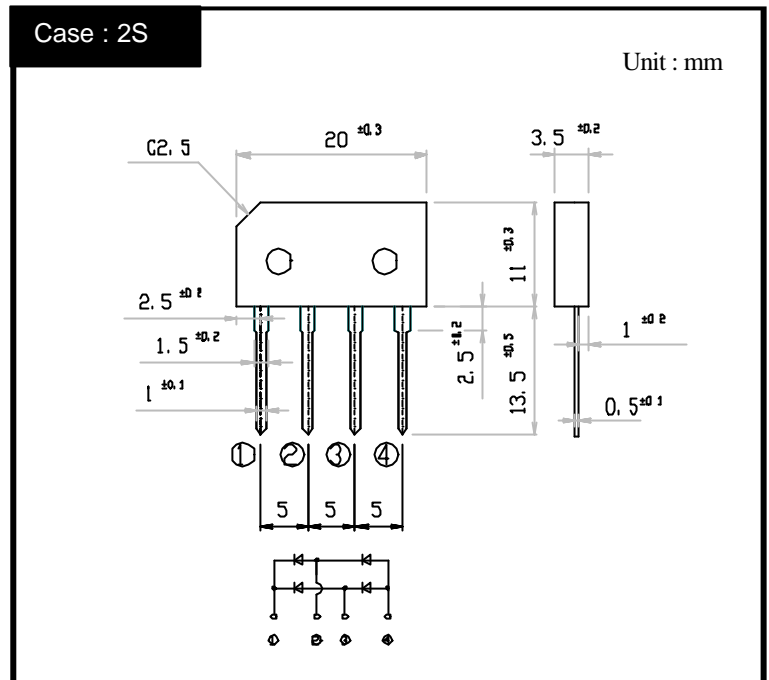
## General Purpose Rectifiers

SIL Bridges

### D2SB60A

600V 2A

### OUTLINE DIMENSIONS



### RATINGS

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

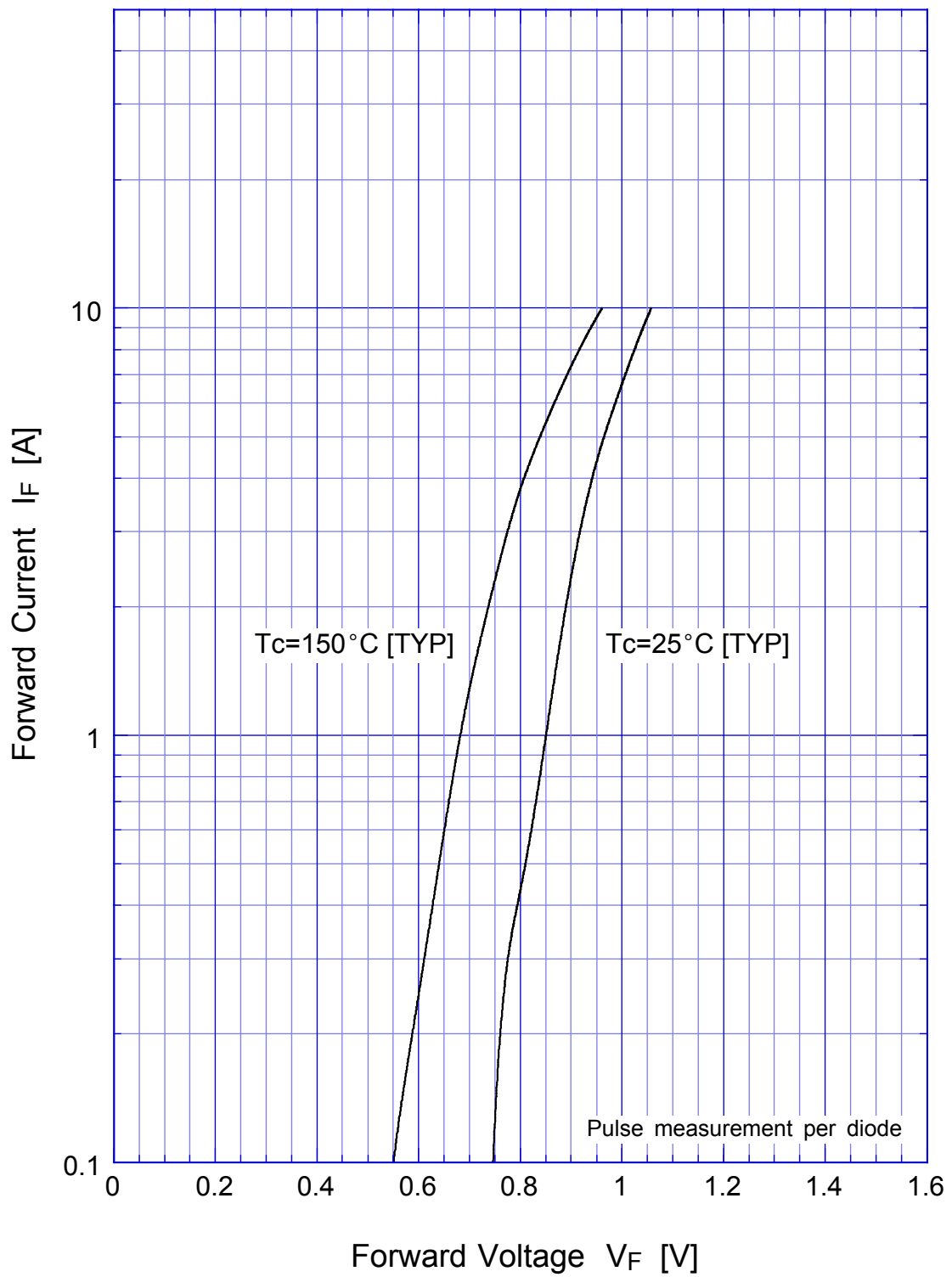
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	$T_{stg}$		-40 ~ 150	
Operating Junction Temperature	$T_j$		150	
Maximum Reverse Voltage	$V_{RM}$		600	V
Average Rectified Forward Current	$I_O$	50Hz sine wave, R-load $T_I=115$	2.0	A
		50Hz sine wave, R-load $T_a=25$	1.5	
Peak Surge Forward Current	$I_{FSM}$	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 <sup>2</sup> s

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

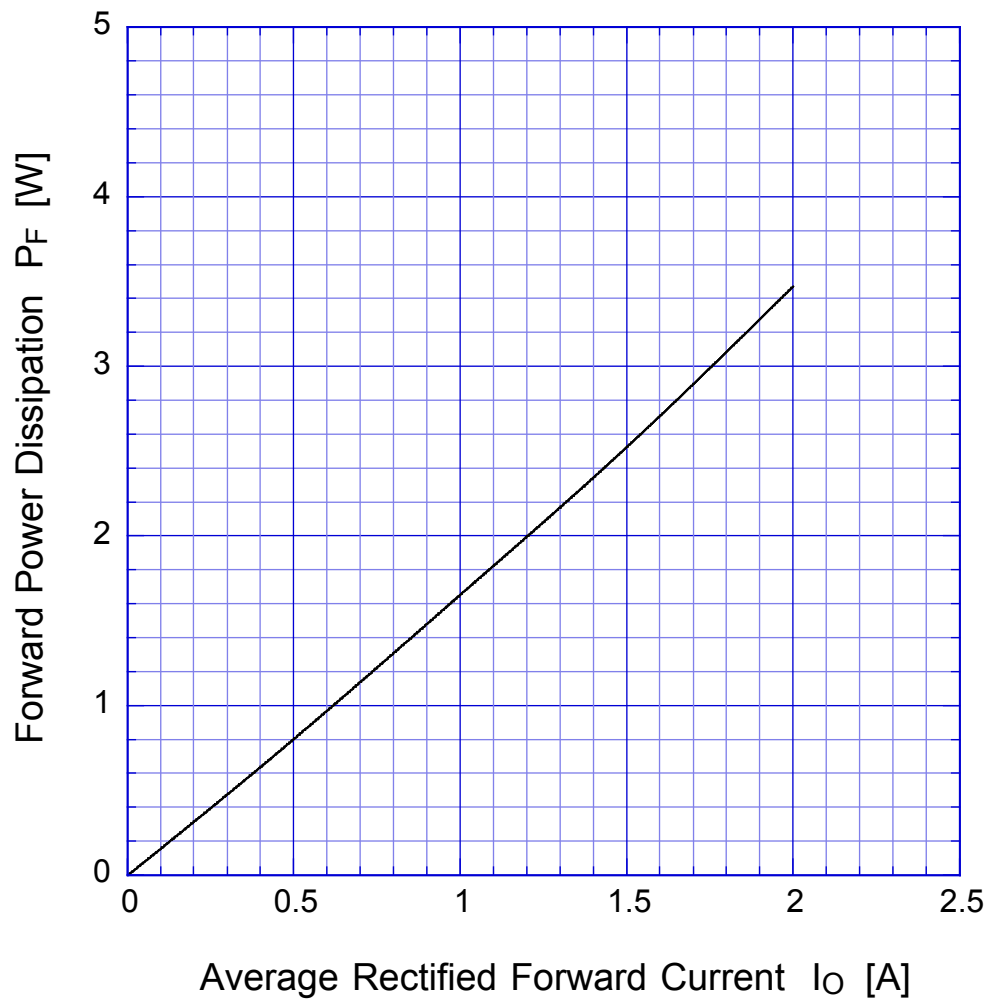
Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	$V_F$	$I_F=1A$ , Pulse measurement, Rating of per diode	Max.0.95	V
Reverse Current	$I_R$	$V_R=600V$ , Pulse measurement, Rating of per diode	Max.10	$\mu A$
Thermal Resistance	$\theta_{jl}$	junction to lead	Max.10	/W
	$\theta_{ja}$	junction to ambient	Max.47	

# D2SB60A

## Forward Voltage



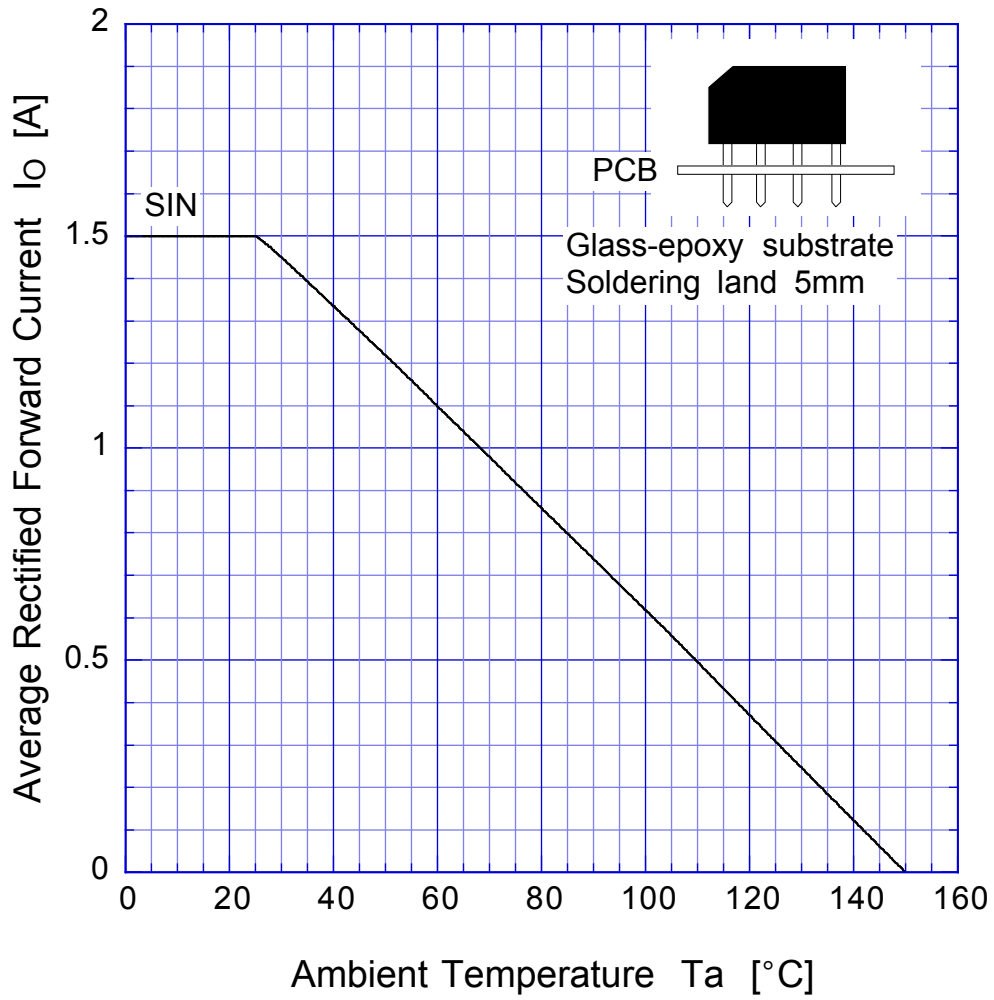
## D2SB60A Forward Power Dissipation



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

# D2SB60A

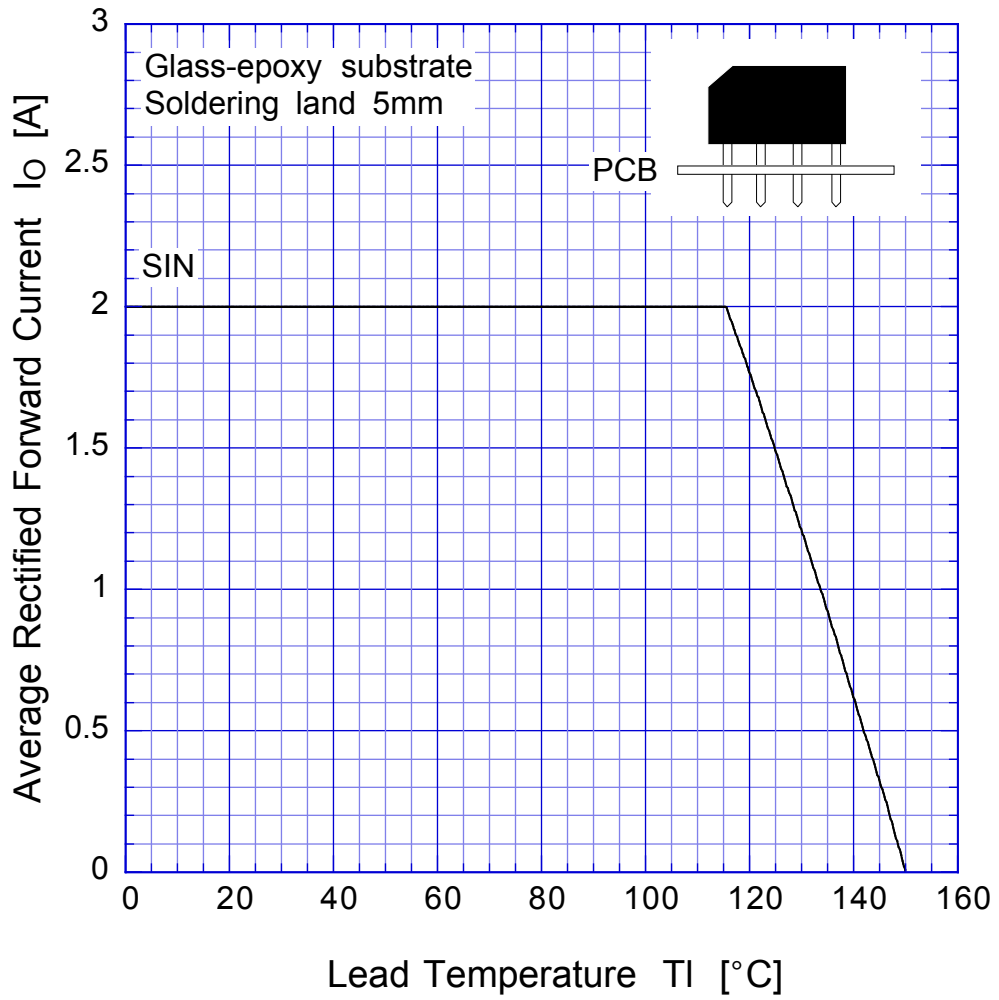
# Derating Curve



Sine wave  
R-load  
Free in air

# D2SB60A

# Derating Curve



Sine wave  
R-load  
Free in air

# D2SB60A Peak Surge Forward Capability

