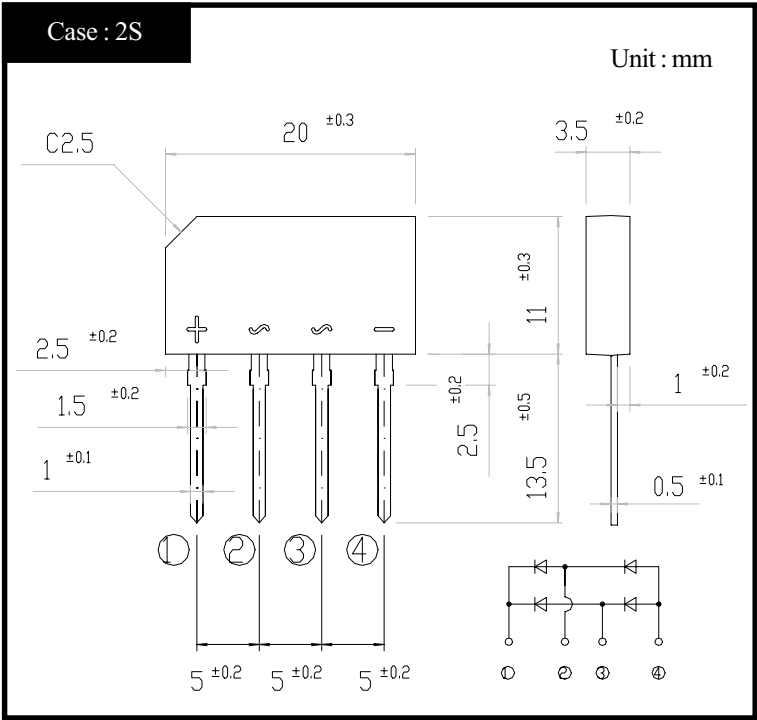


D2SB60A

600V 2A

OUTLINE DIMENSIONS



RATINGS

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

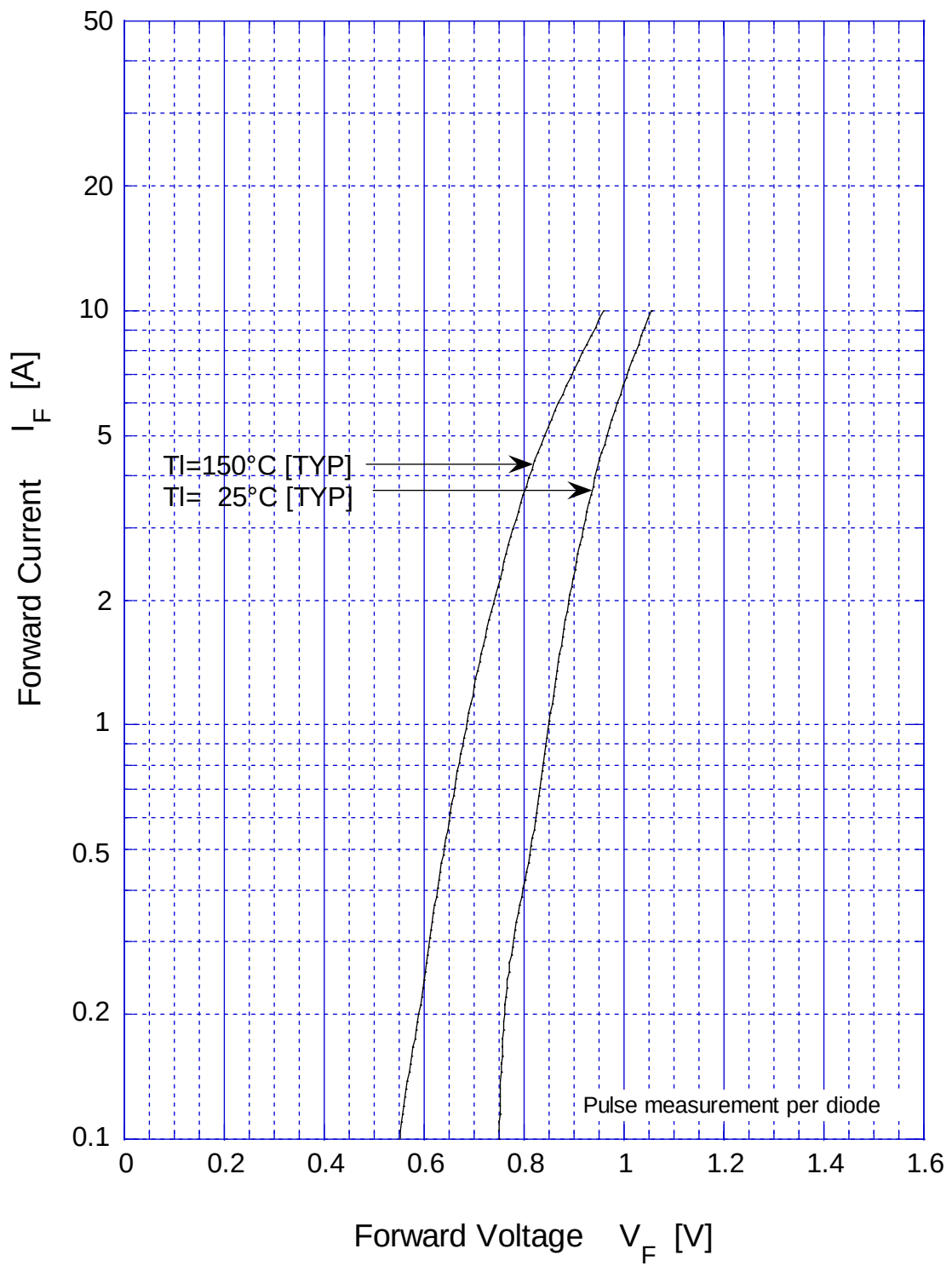
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-40~150	℃
Operating Junction Temperature	Tj		150	℃
Maximum Reverse Voltage	V _{RM}		600	V
Average Rectified Forward Current	I _O	50Hz sine wave, R-load Tl=115℃	2.0	A
		50Hz sine wave, R-load Ta=25℃	1.5	
Peak Surge Forward Current	I _{FSM}	50Hz sine wave, Non-repetitive 1cycle peak value, Tj=25℃	120	A
Current Squared Time	I ² t	1ms≤t<10ms Tj=25℃	60	A ² s

●Electrical Characteristics (If not specified Tl=25℃)

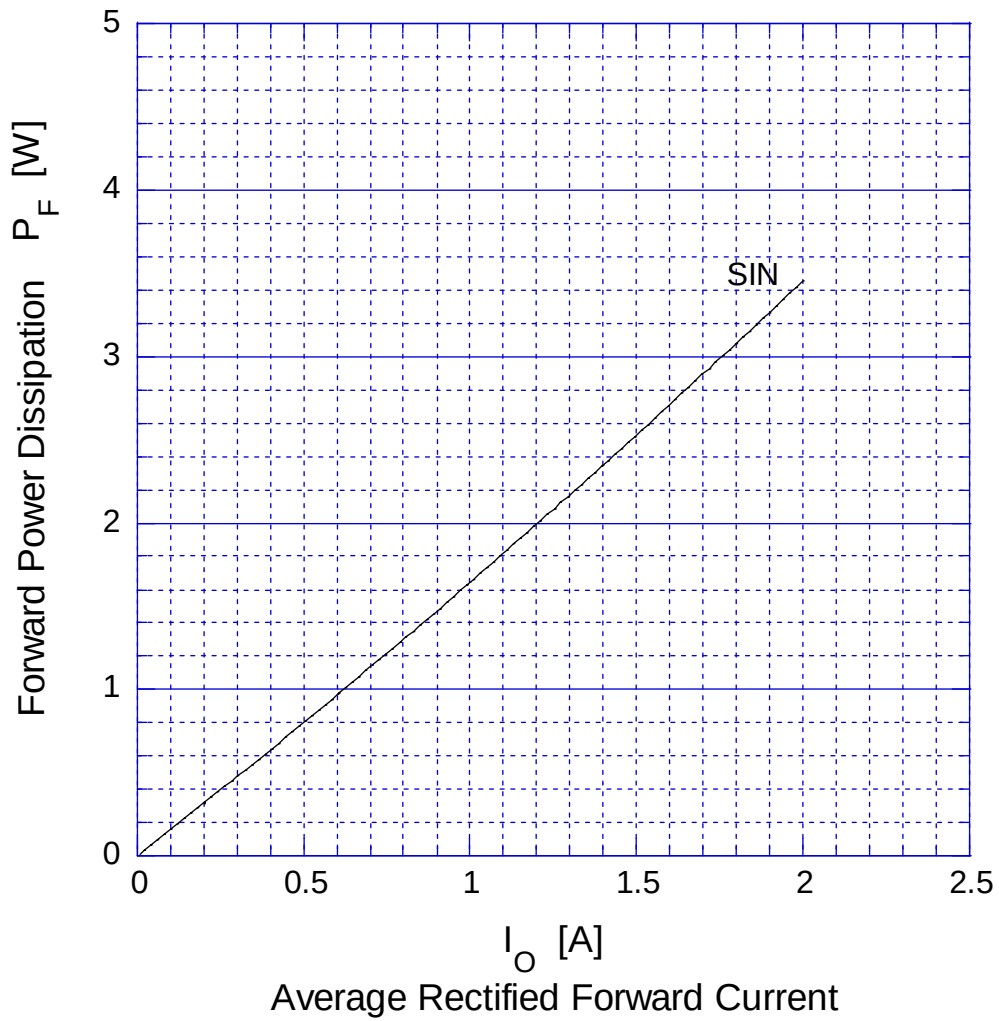
Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V _F	IF=1A, Pulse measurement, Rating of per diode	Max.0.95	V
Reverse Current	I _R	V _R =600V, Pulse measurement, Rating of per diode	Max.10	μA
Thermal Resistance	θ _{jl}	junction to lead	Max.10	℃/W
	θ _{ja}	junction to ambient	Max.47	

D2SB x A

Forward Voltage

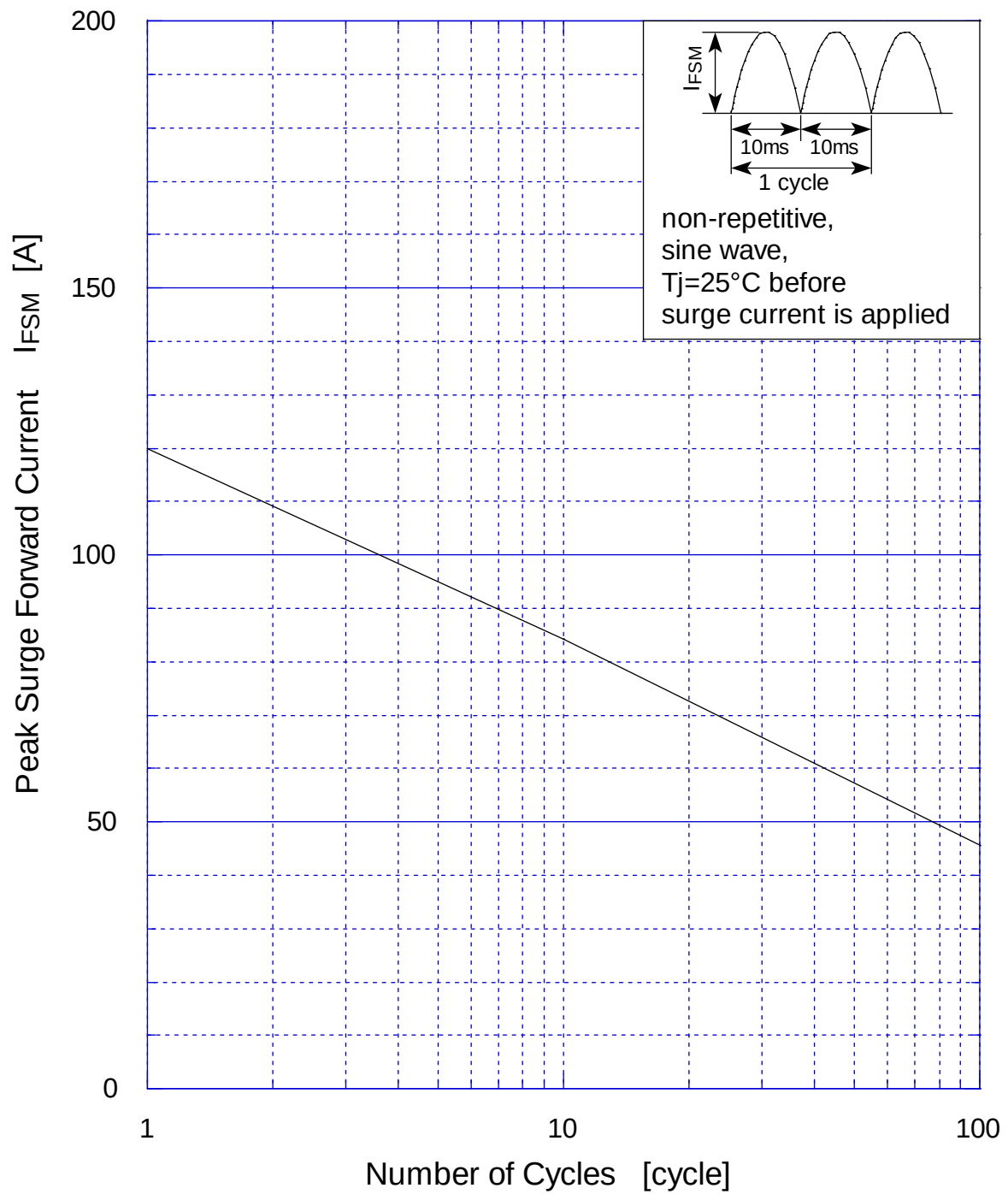


D2SB x A Forward Power Dissipation



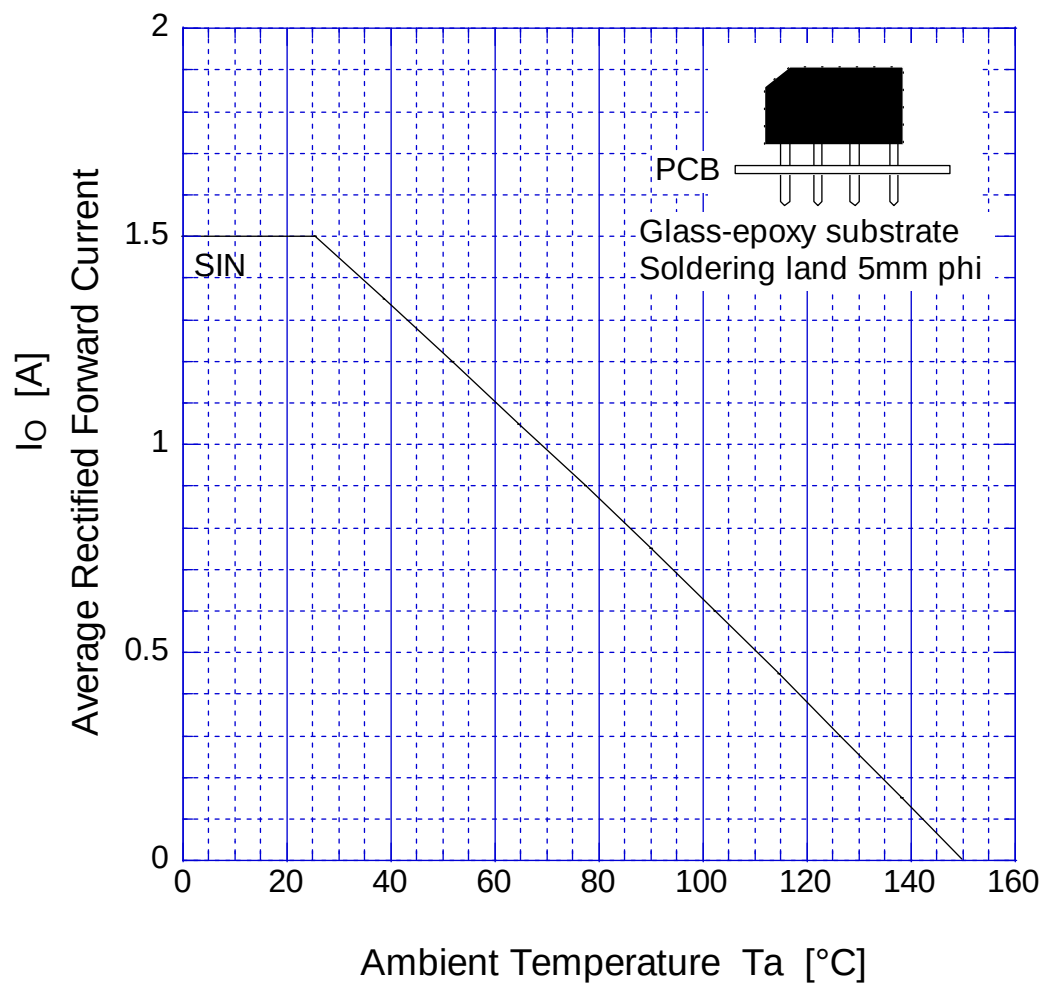
$T_j = 150^\circ\text{C}$
sine wave

D2SB x A Peak Surge Forward Capability



D2SB x A

Derating Curve



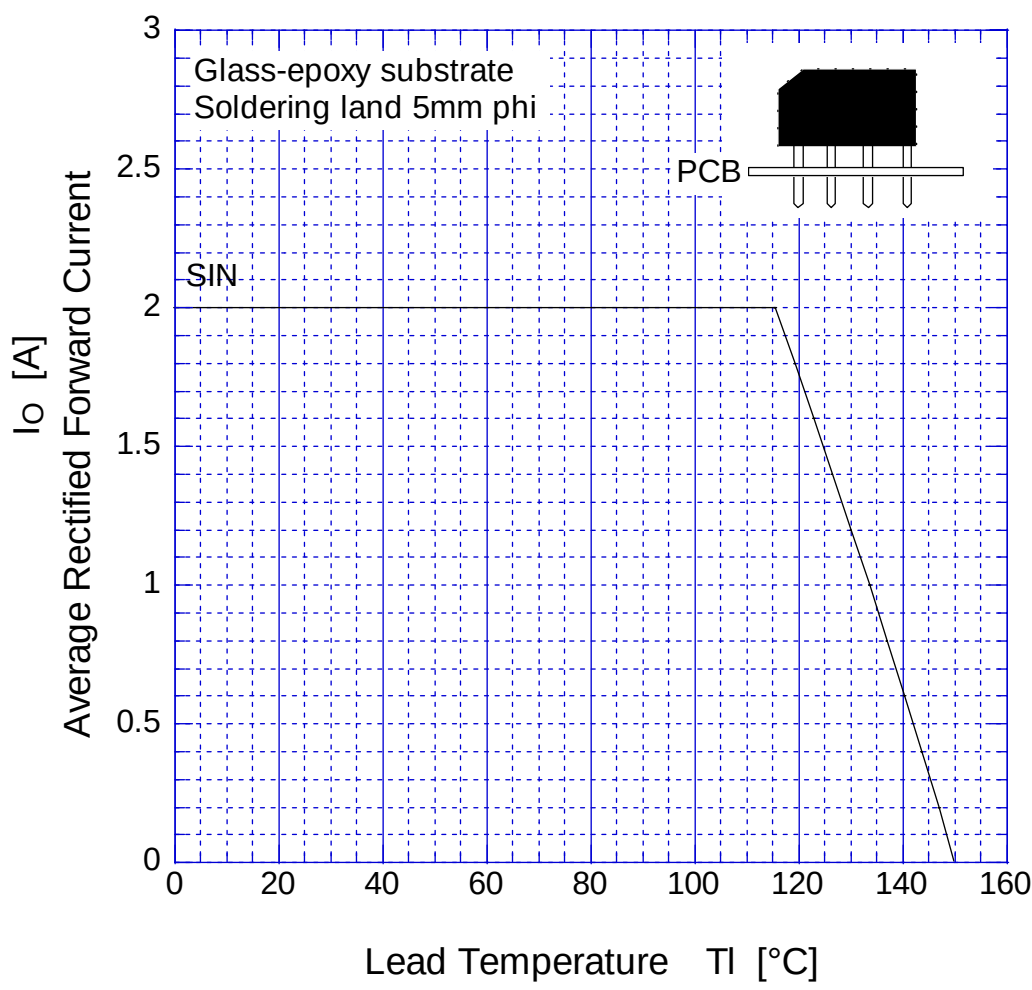
Sine wave

R - load

Free in air

D2SB x A

Derating Curve



Sine wave
R - load
Free in air

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