

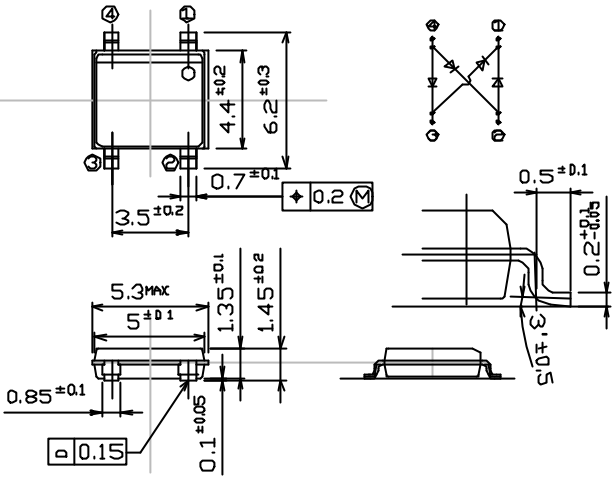
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800V 1A

OUTLINE DIMENSIONS

Case : SOP-4

Unit : mm



RATINGS

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

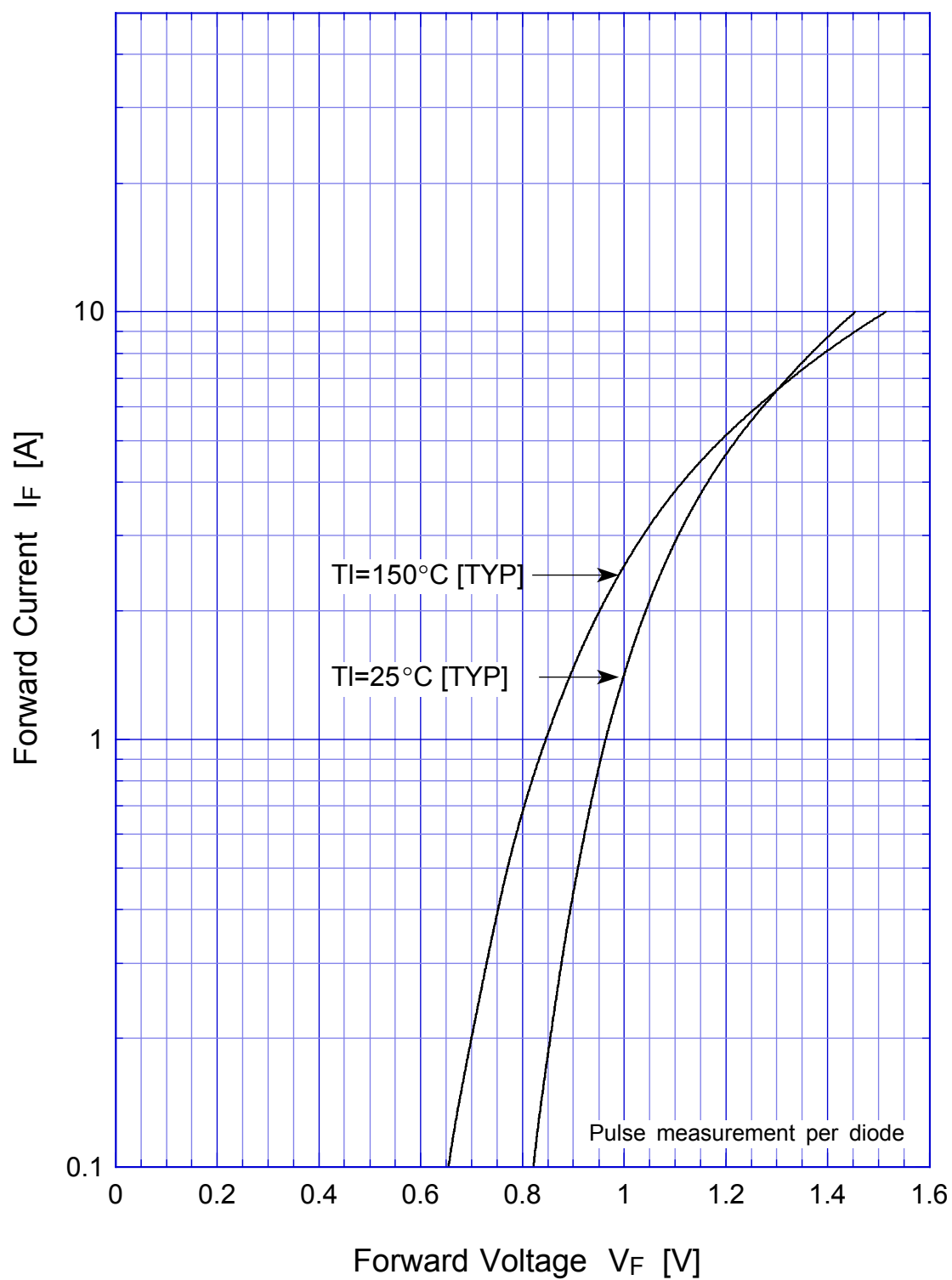
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-55~150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	V _{RM}		800	V
Average Rectified Forward Current	I _O	50Hz sine wave, R-load, Ta=25°C	1	A
Peak Surge Forward Current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25 °C	30	A
Current Squared Time	I ² _t	1ms ≤ t < 10ms Tj=25 °C	3	A ² s

● Electrical Characteristics (If not specified Tc=25°C)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V _F	I _F =0.4A, Pulse measurement, Rating of per diode	Max.0.95	V
Reverse Current	I _R	V _R =800v, Pulse measurement, Rating of per diode	Max.10	μA
Thermal Resistance	θ _{jl}	junction to lead Without heatsink	Max.25	°C/W
	θ _{ja}	junction to ambient Without heatsink	Max.62.5	

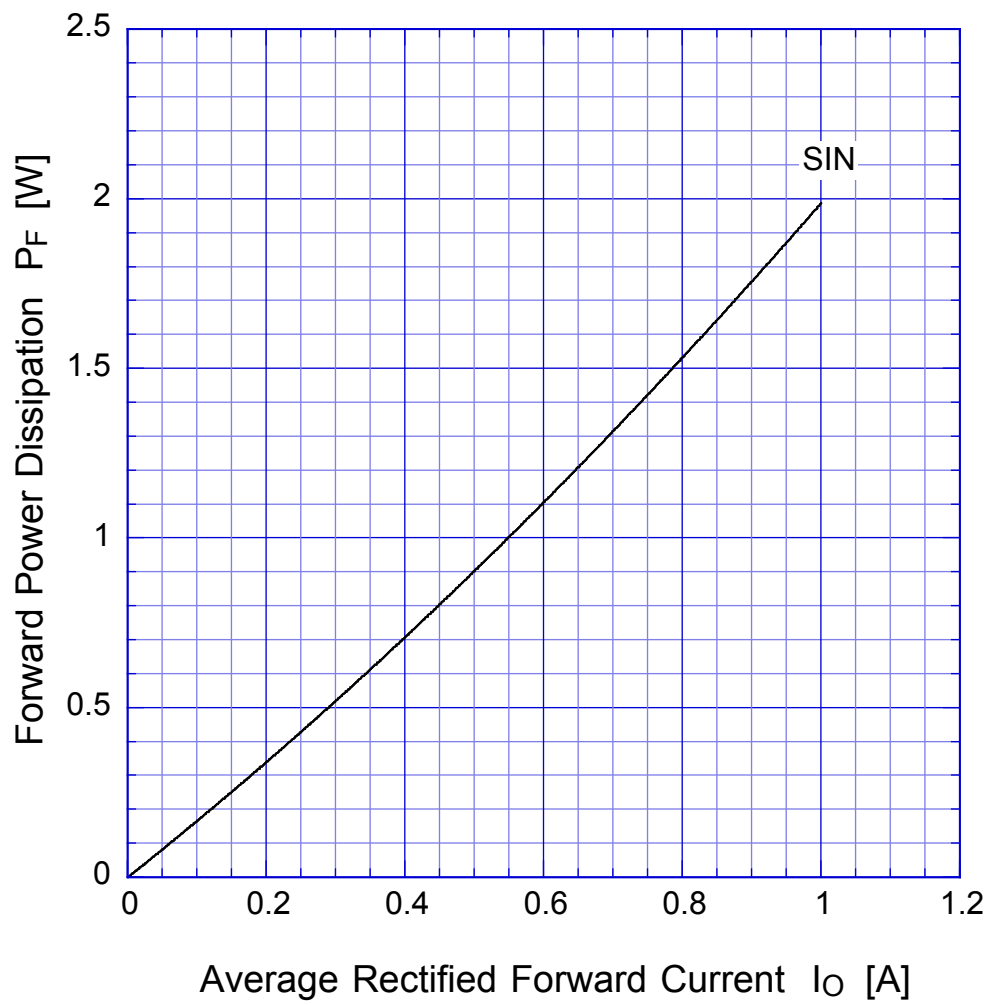
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Forward Voltage



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Forward Power Dissipation

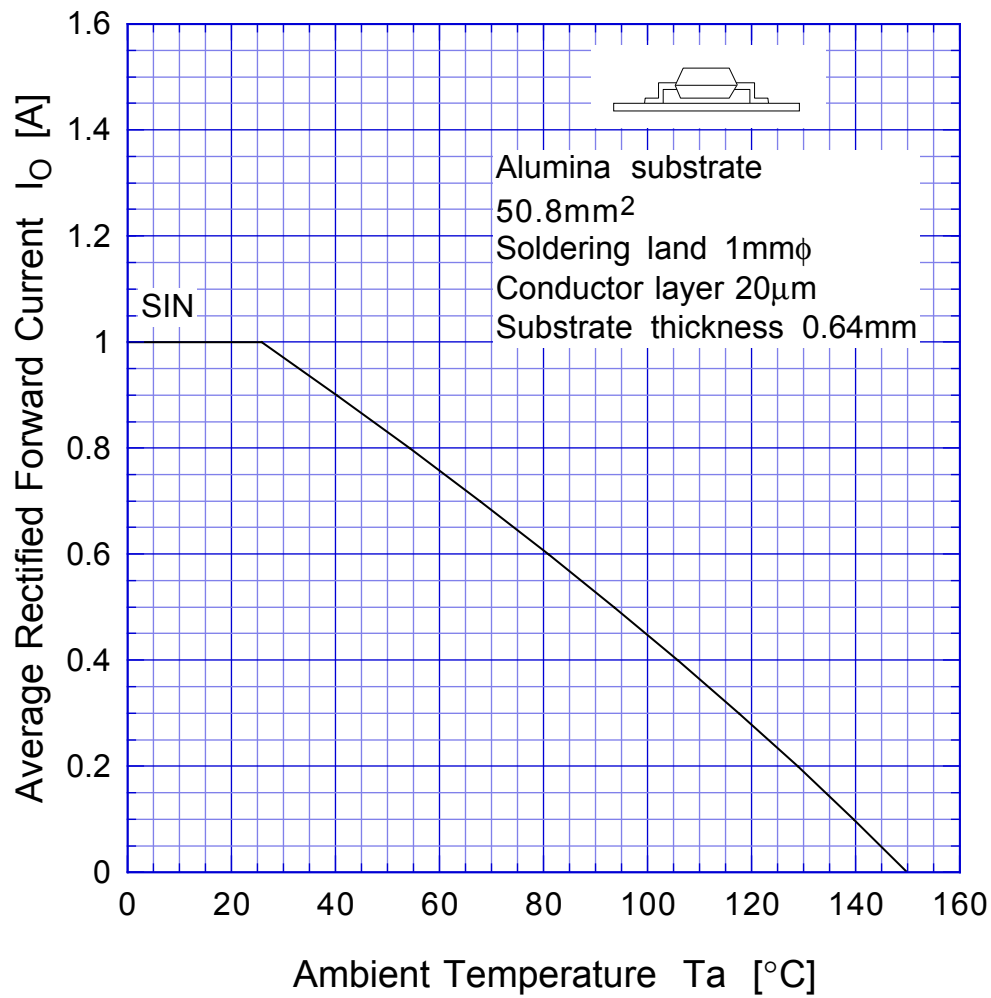


$T_j = 150^\circ\text{C}$

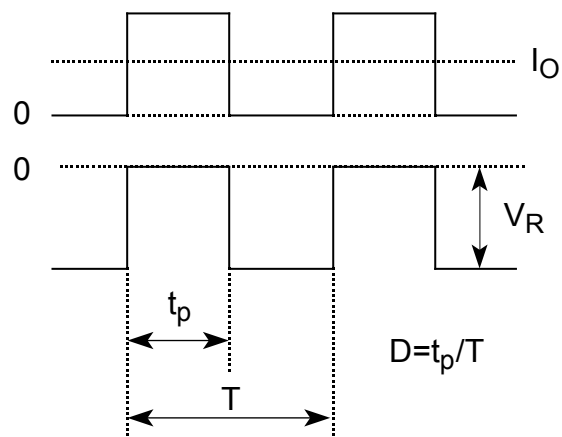
Sine wave

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Derating Curve

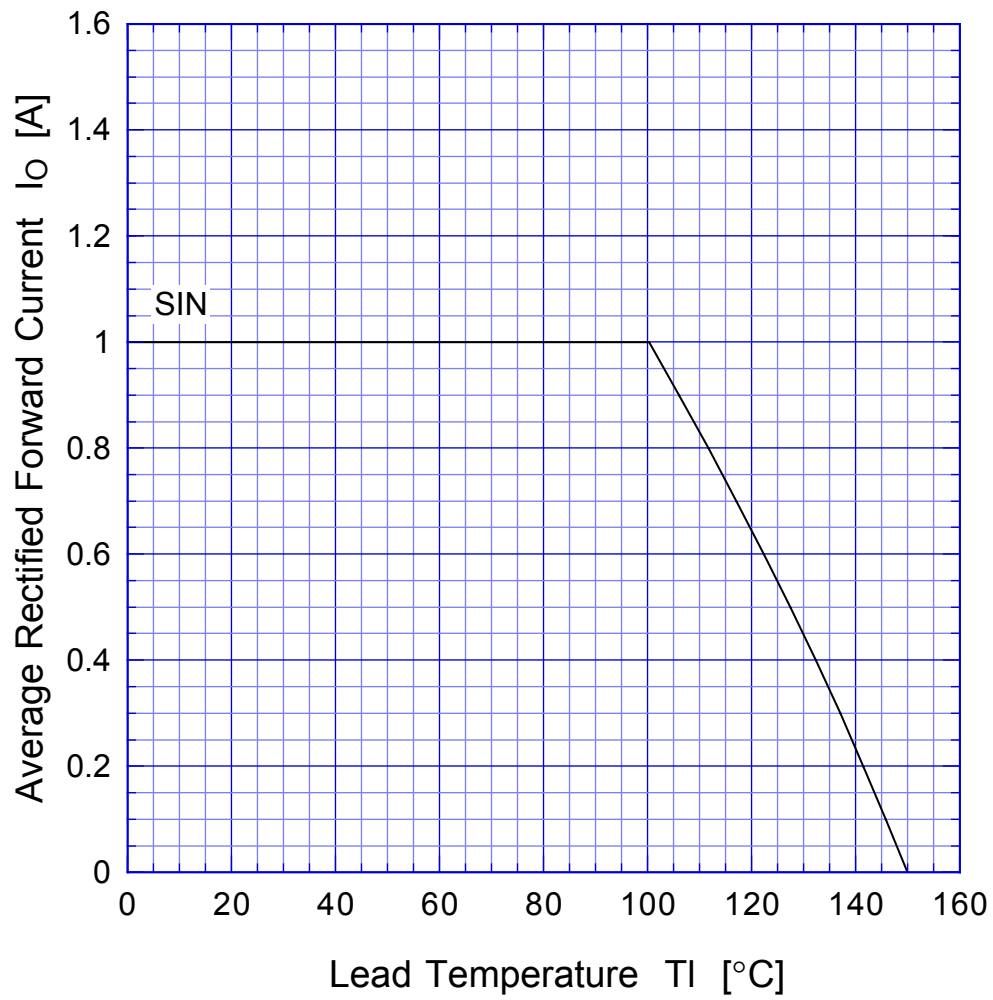


$$V_R = V_{RM}$$

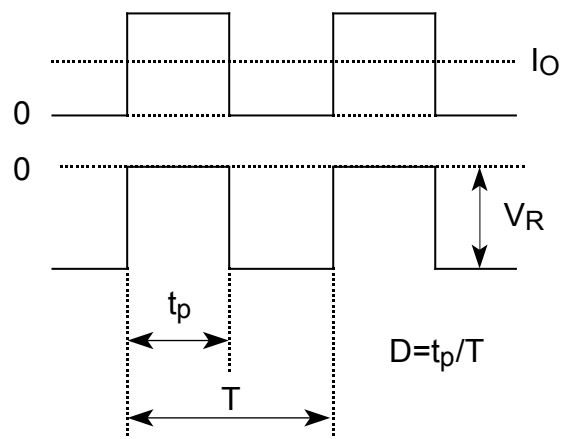


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Derating Curve



$$V_R = V_{RM}$$



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Peak Surge Forward Capability

