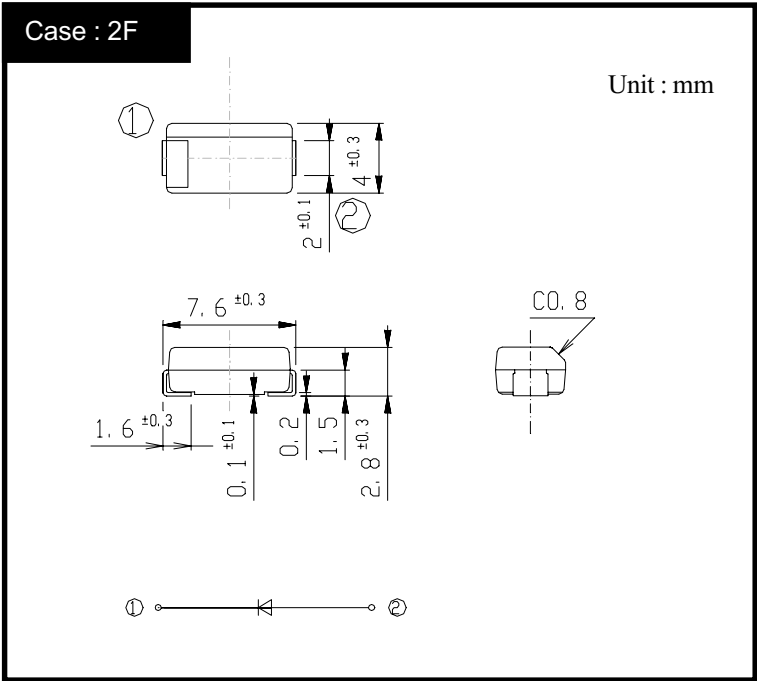


D4F60

600V 4A

OUTLINE DIMENSIONS



RATINGS

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

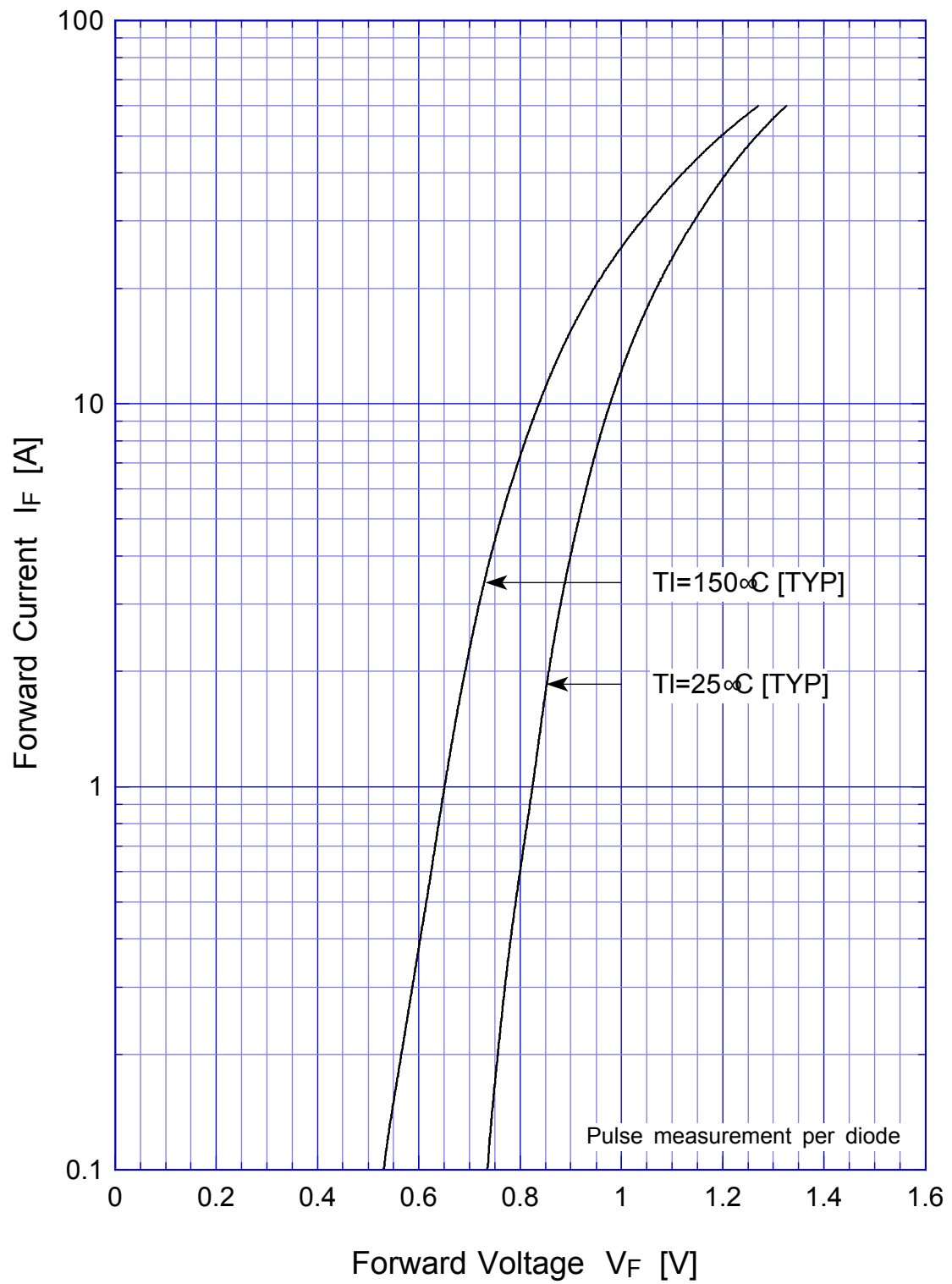
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-55~150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	VRM		600	V
Average Rectified Forward Current	Io	50Hz sine wave, R-load Tl=68°C	4	A
		50Hz sine wave, R-load Ta=25°C On alumina substrate	1.85	
		50Hz sine wave, R-load Ta=25°C On glass-epoxy substrate	1.3	
Peak Surge Forward Current	IFSM	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	200	A
Current squared time	I²t	1ms≤t<10ms	150	A²s

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

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	VF	IF=4A Pulse measurement	Max.0.95	V
Reverse Current	Ir	VR=600V Pulse measurement	Max.10	μA
Thermal Resistance	θjl	junction to lead	Max.23	°C/W
	θja	junction to ambient, On alumina substrate	Max.80	
	θja	junction to ambient, On glass-epoxy substrate	Max.115	

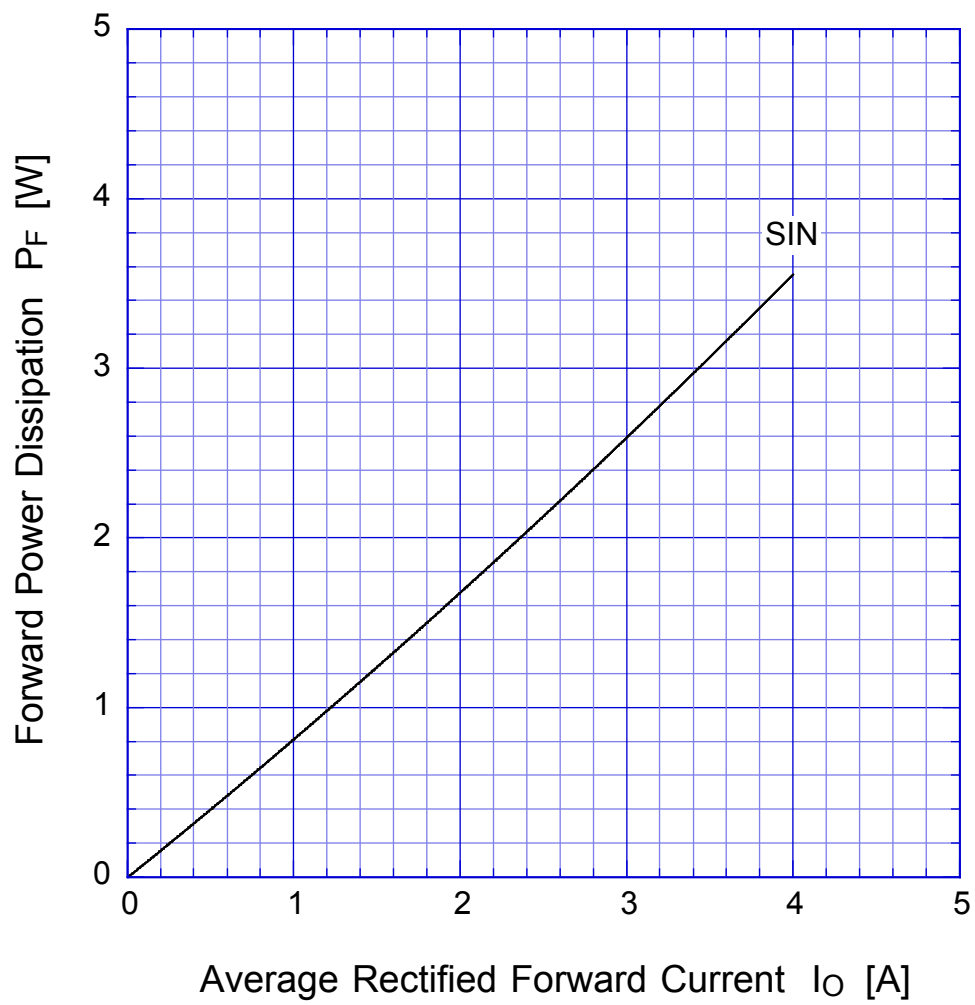
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Forward Voltage



D4F60

Forward Power Dissipation

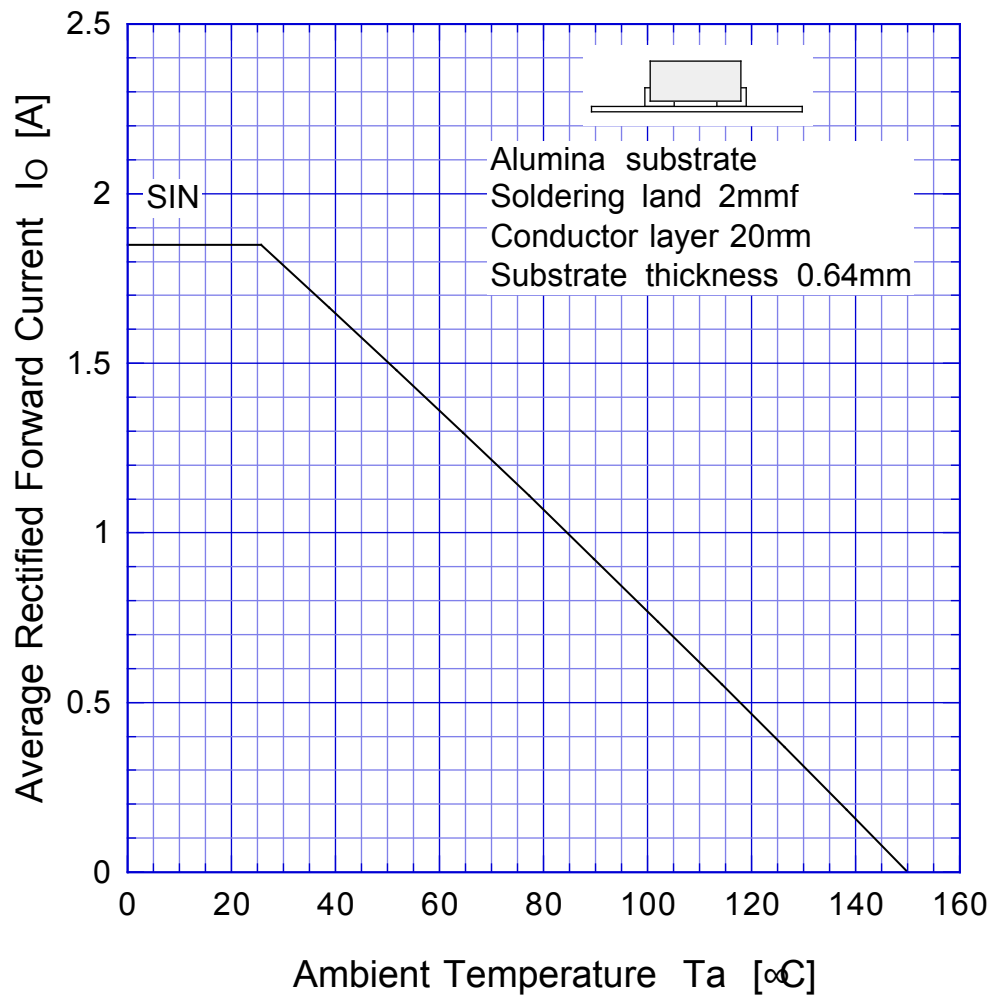


$T_j = 150^{\circ}\text{C}$

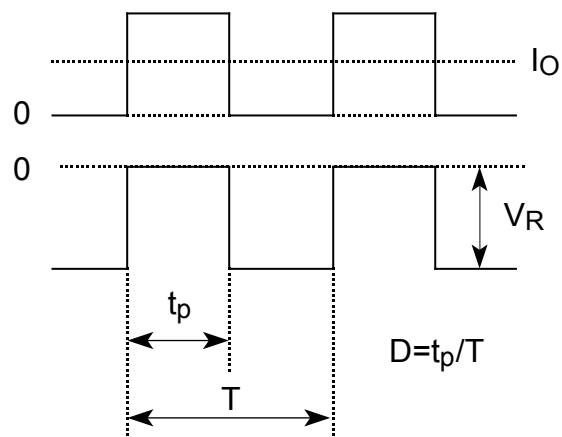
Sine wave

D4F60

Derating Curve

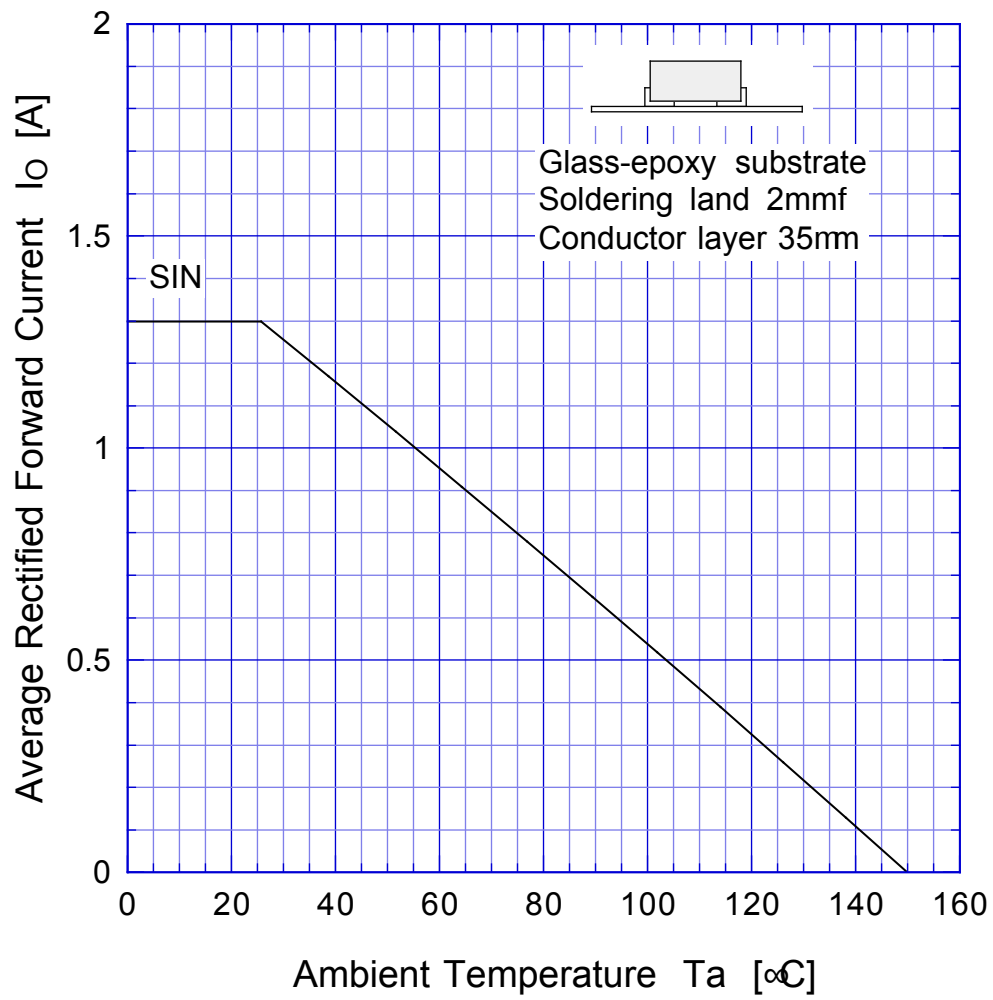


$$V_R = V_{RM}$$

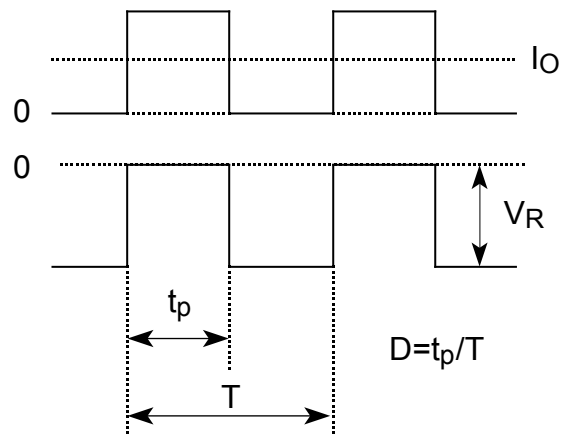


D4F60

Derating Curve

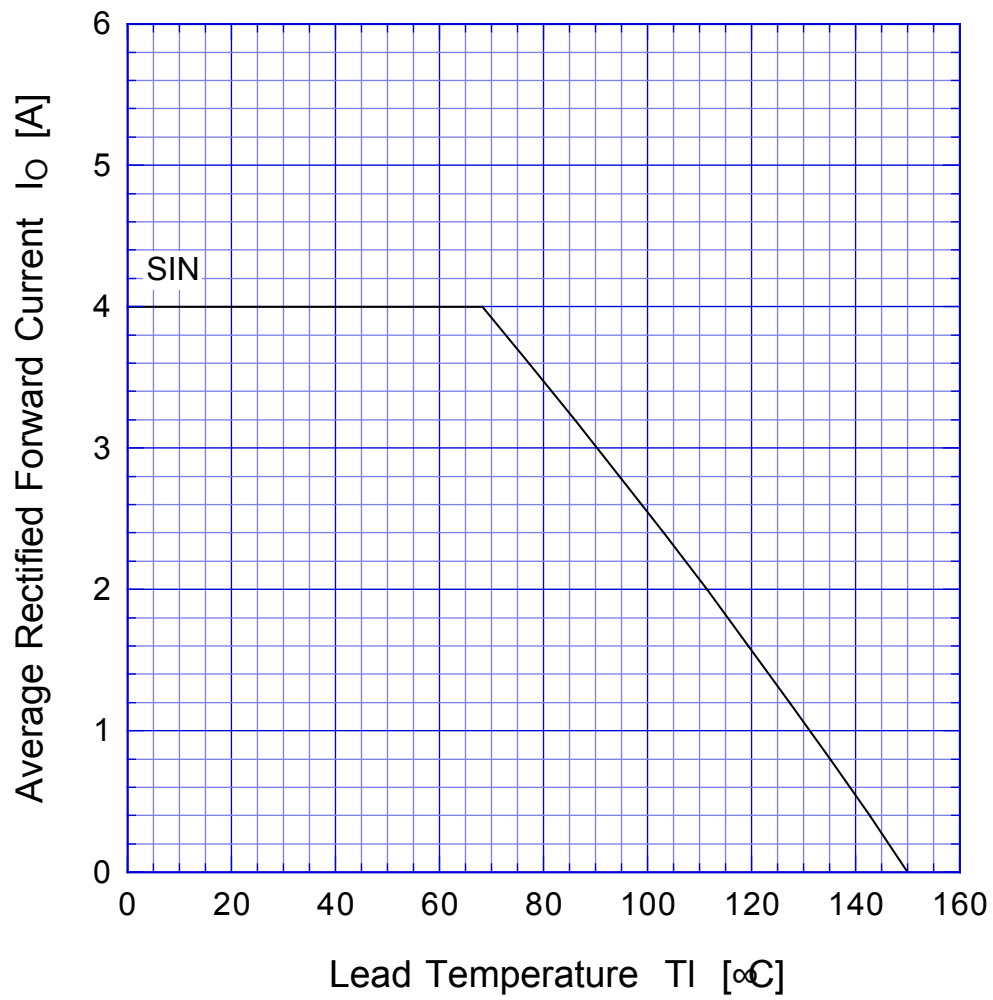


$$V_R = V_{RM}$$

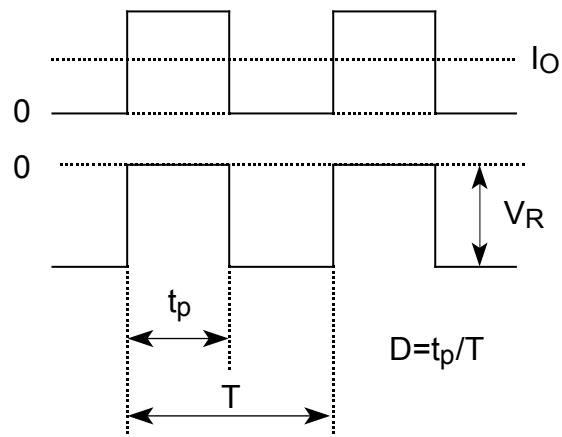


D4F60

Derating Curve



$$V_R = V_{RM}$$



D4F60

Peak Surge Forward Capability

