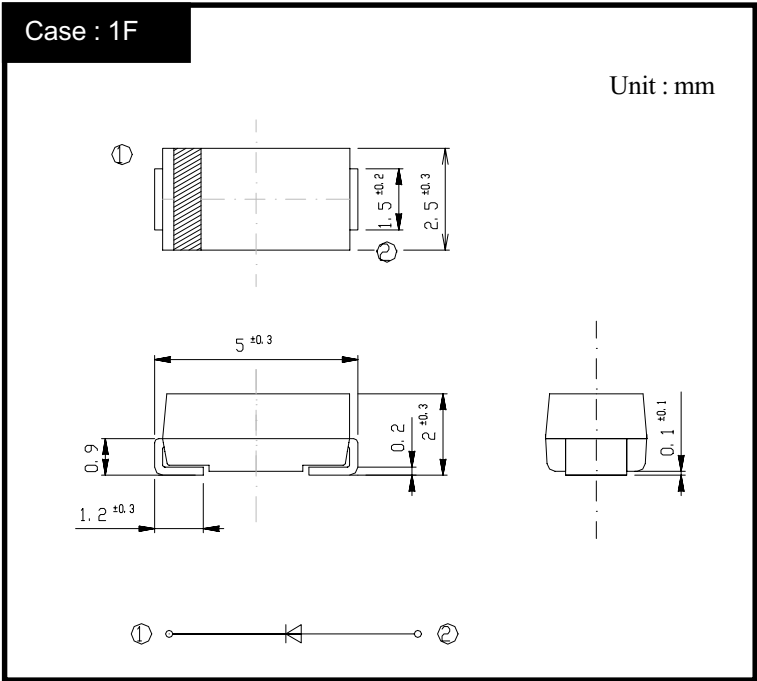


D1F60A

600V 1.2A

OUTLINE DIMENSIONS



RATINGS

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

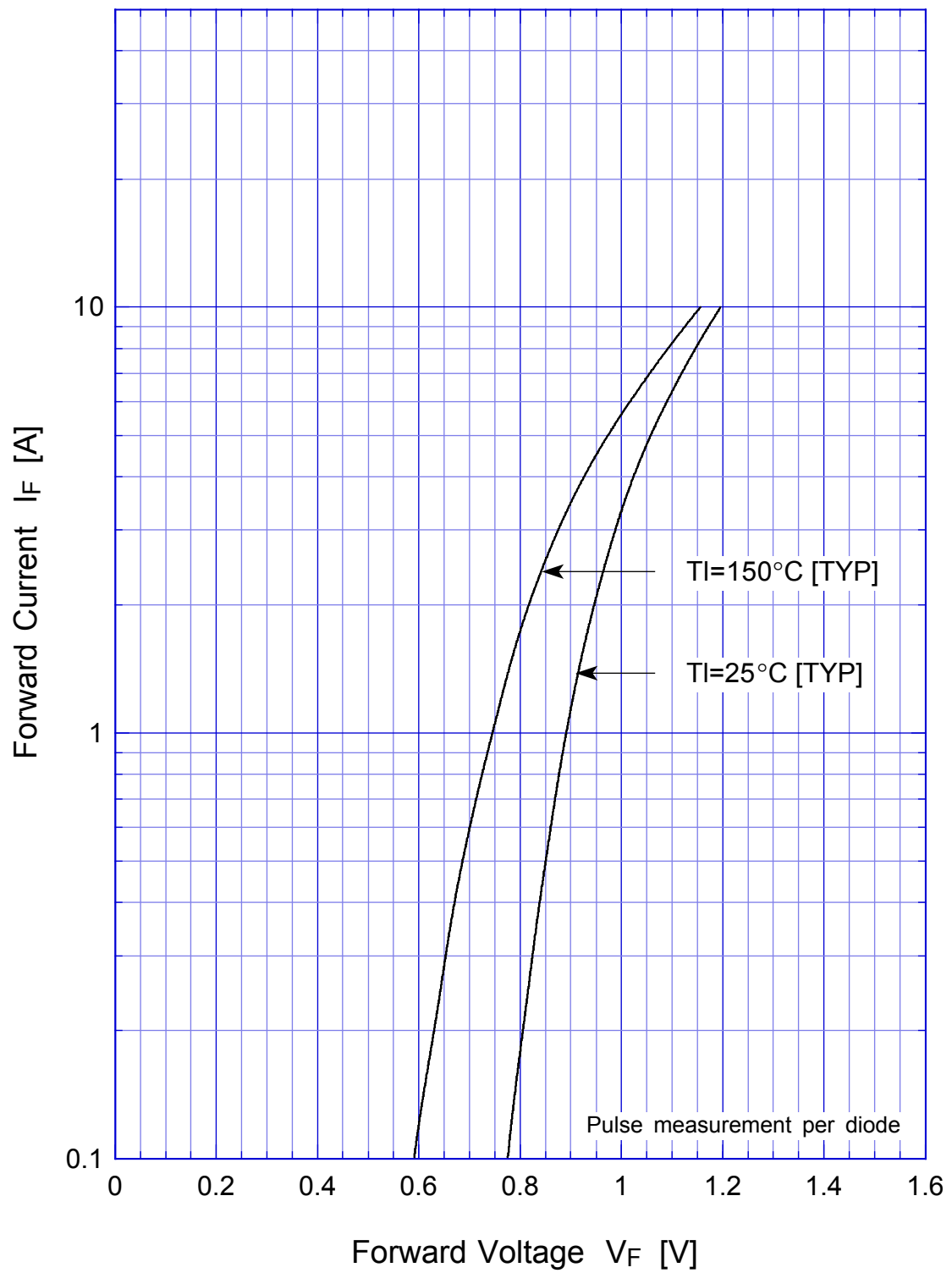
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-55~150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	VRM		600	V
Average Rectified Forward Current	Io	50Hz sine wave, R-load, Ta=25°C On alumina substrate	1.2	A
		50Hz sine wave, R-load, Ta=25°C On glass-epoxy substrate	0.88	
Peak Surge Forward Current	IFSM	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	45	A
Current squared time	I²t	1ms≤t<10ms	8	A²s

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

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	VF	IF=1.2A, Pulse measurement	Max.0.97	V
Reverse Current	IR	VR=VRM, Pulse measurement	Max.10	μA
Thermal Resistance	θjl	junction to lead	Max.23	°C/W
	θja	junction to ambient On alumina substrate	Max.108	
		junction to ambient On glass-epoxy substrate	Max.157	

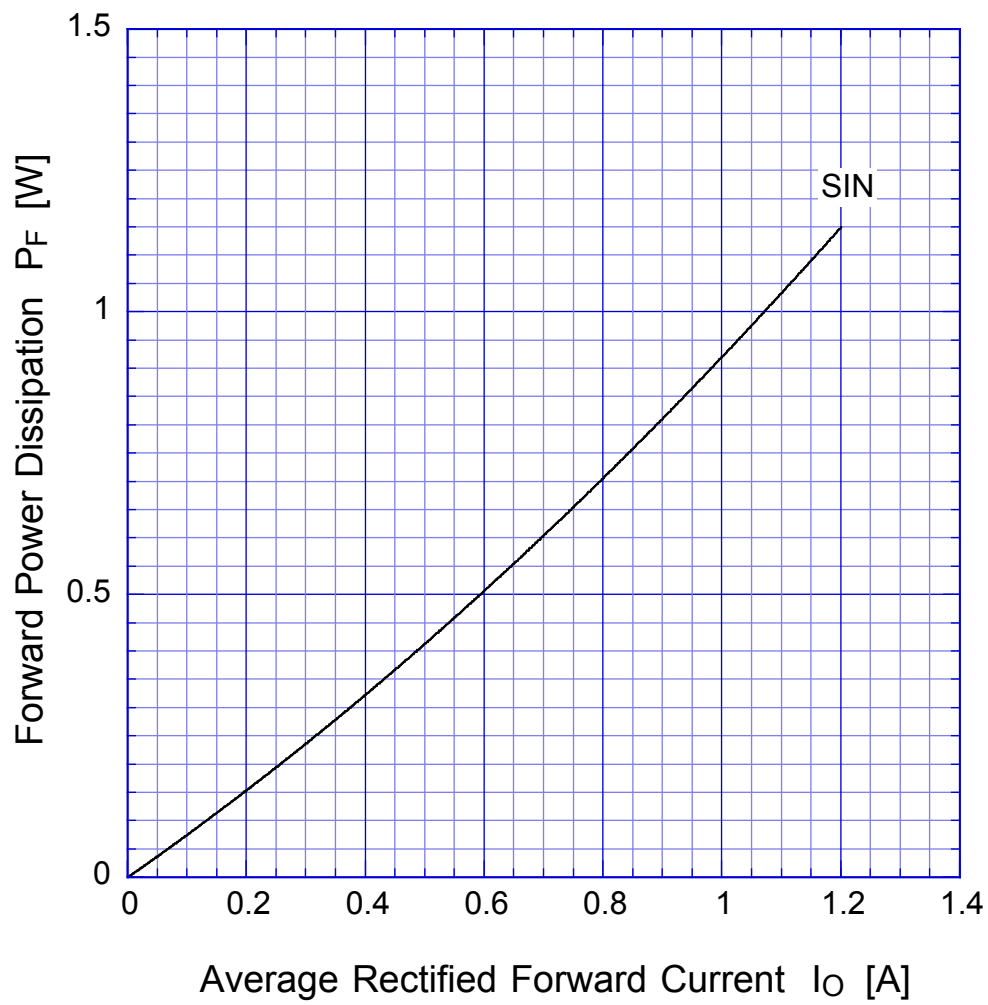
D1F60A

Forward Voltage



D1F60A

Forward Power Dissipation

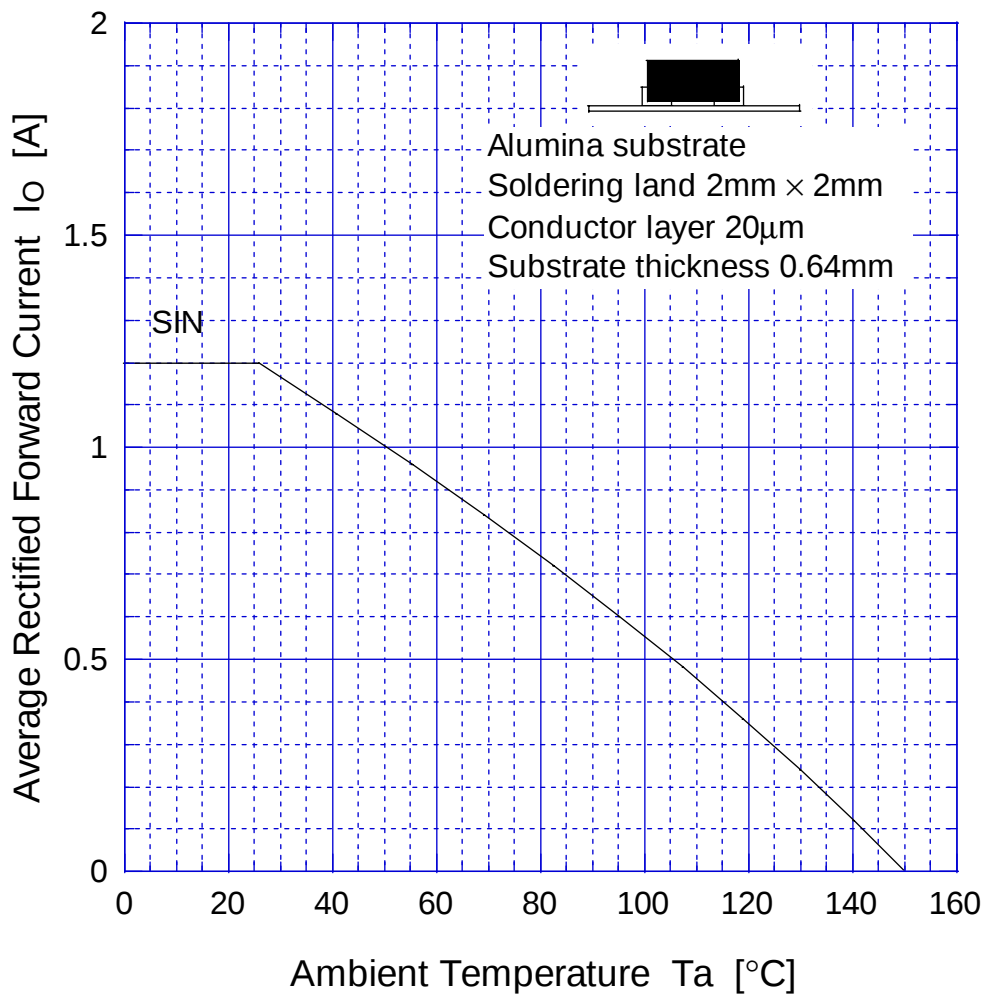


$T_j = 150^\circ\text{C}$

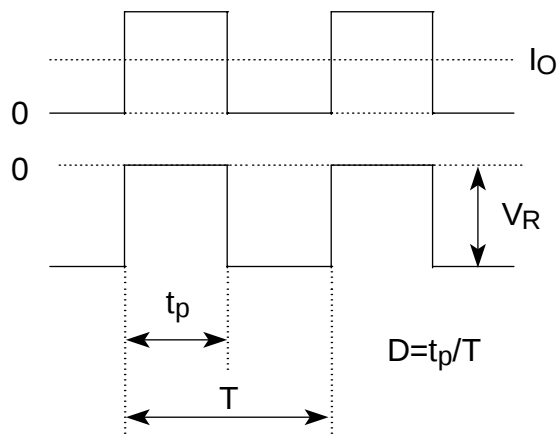
Sine wave

D1F60A

Derating Curve

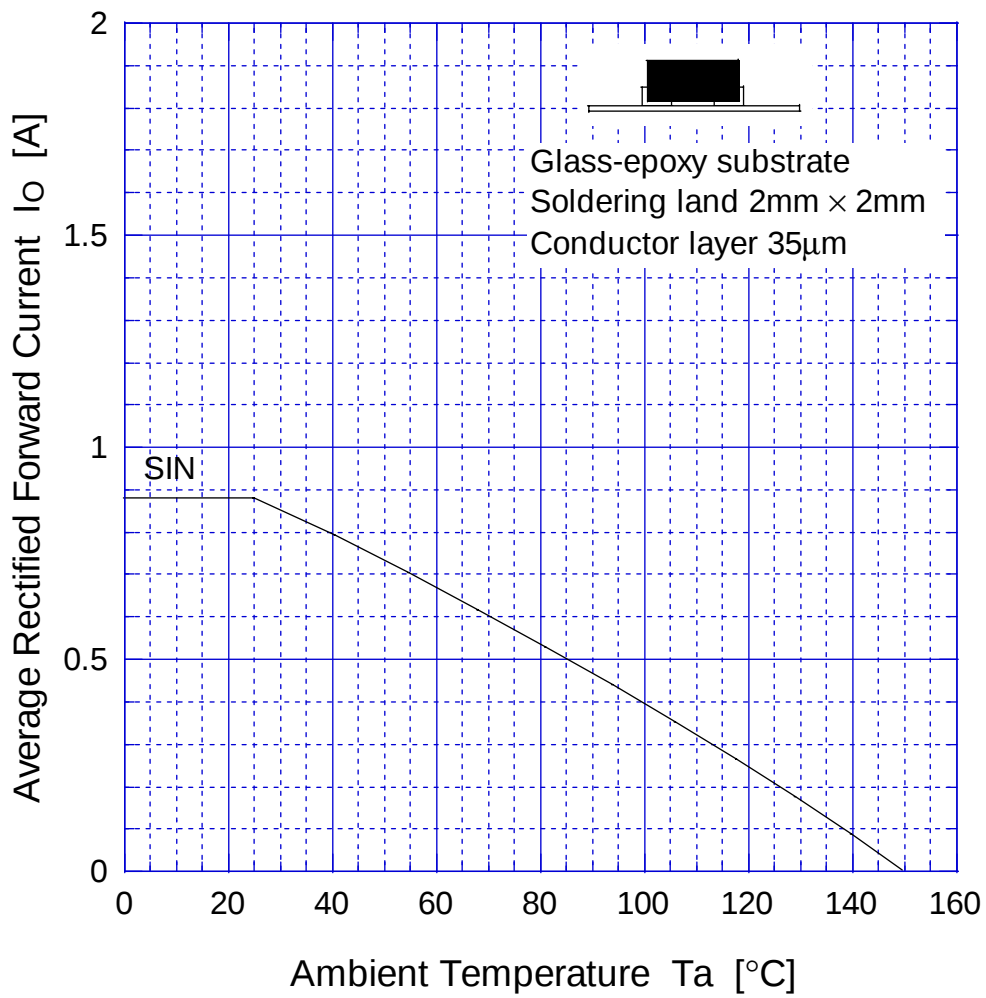


$$V_R = V_{RM}$$

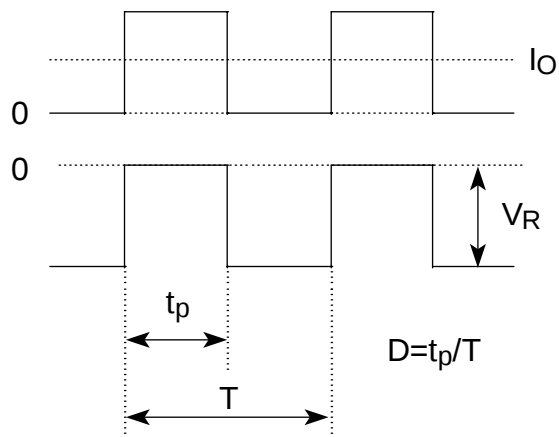


D1F60A

Derating Curve



$$V_R = V_{RM}$$



D1F60A

Peak Surge Forward Capability

