

D2F20

200V 1.4A

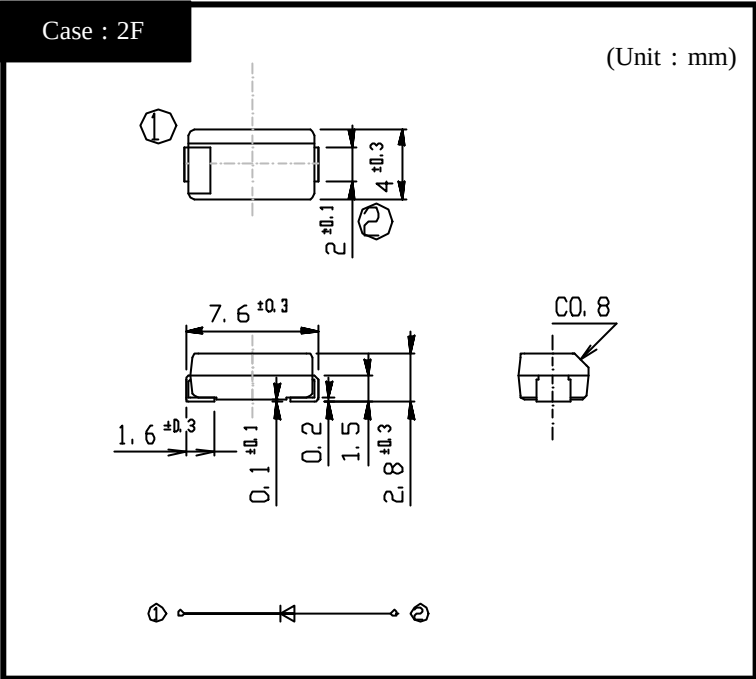
FEATURES

- High reliability with superior moisture resistance
- Applicable to Automatic Insertion

APPLICATION

- Conventional Rectification
- Power source(Power Supply)
- Home Appliances, Office Equipment
- Telecommunication, Factory Automation

OUTLINE DIMENSIONS



RATINGS

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

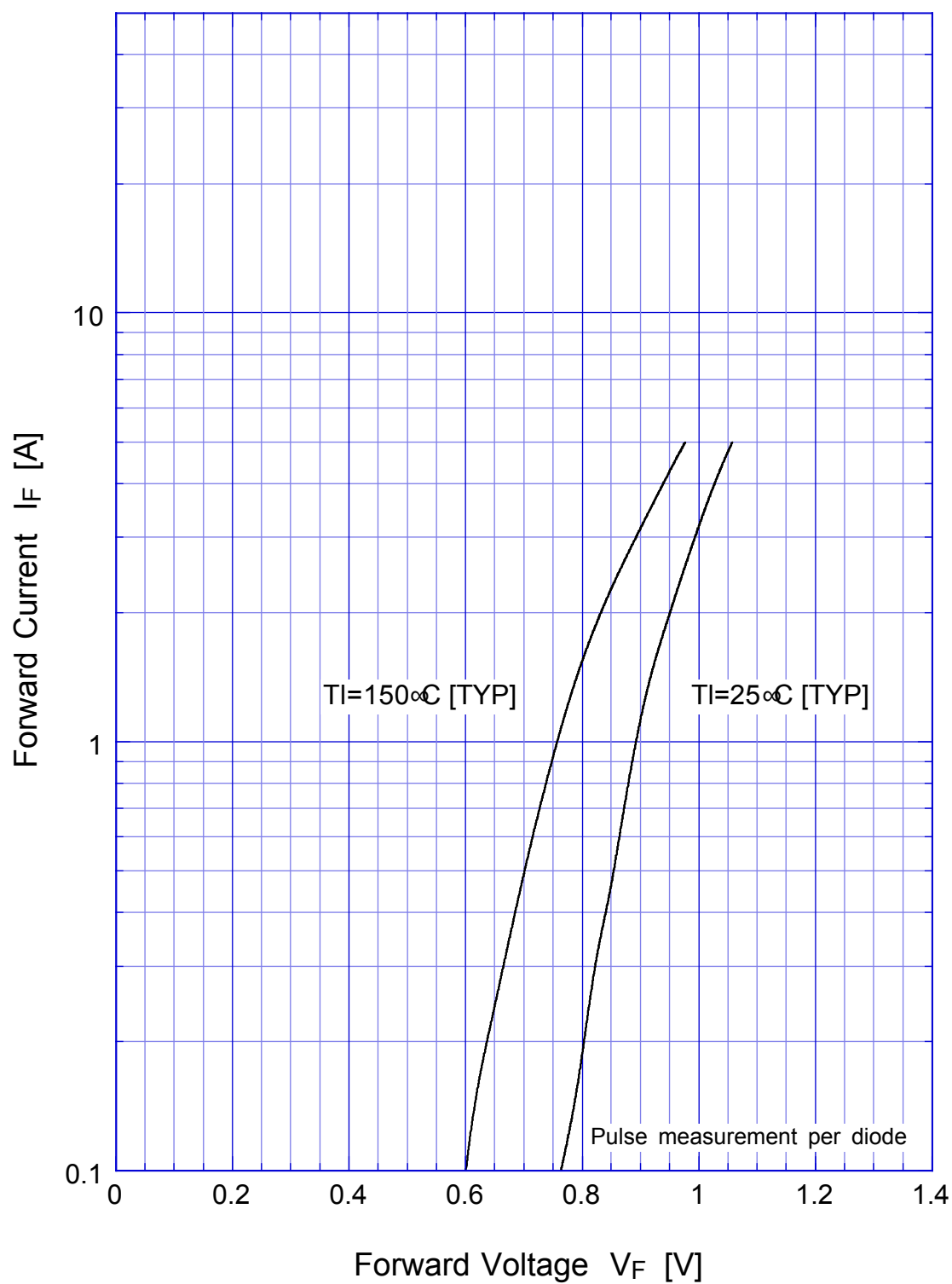
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-55~150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	VRM		200	V
Average Rectified Forward Current	Io	50Hz sine wave, R-load, Ta=25°C On alumina substrate	1.4	A
		50Hz sine wave, R-load, Ta=25°C On glass-epoxy substrate	1.1	
Peak Surge Forward Current	IFSM	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	60	A

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

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	VF	IF=1.4A, Pulse measurement	Max.1.05	V
Reverse Current	IR	VR=VRM, Pulse measurement	Max.10	μA
Thermal Resistance	θjl	junction to lead	Max.24	°C/W
		junction to ambient, On alumina substrate	Max.90	
	θja	junction to ambient, On glass-epoxy substrate	Max.120	

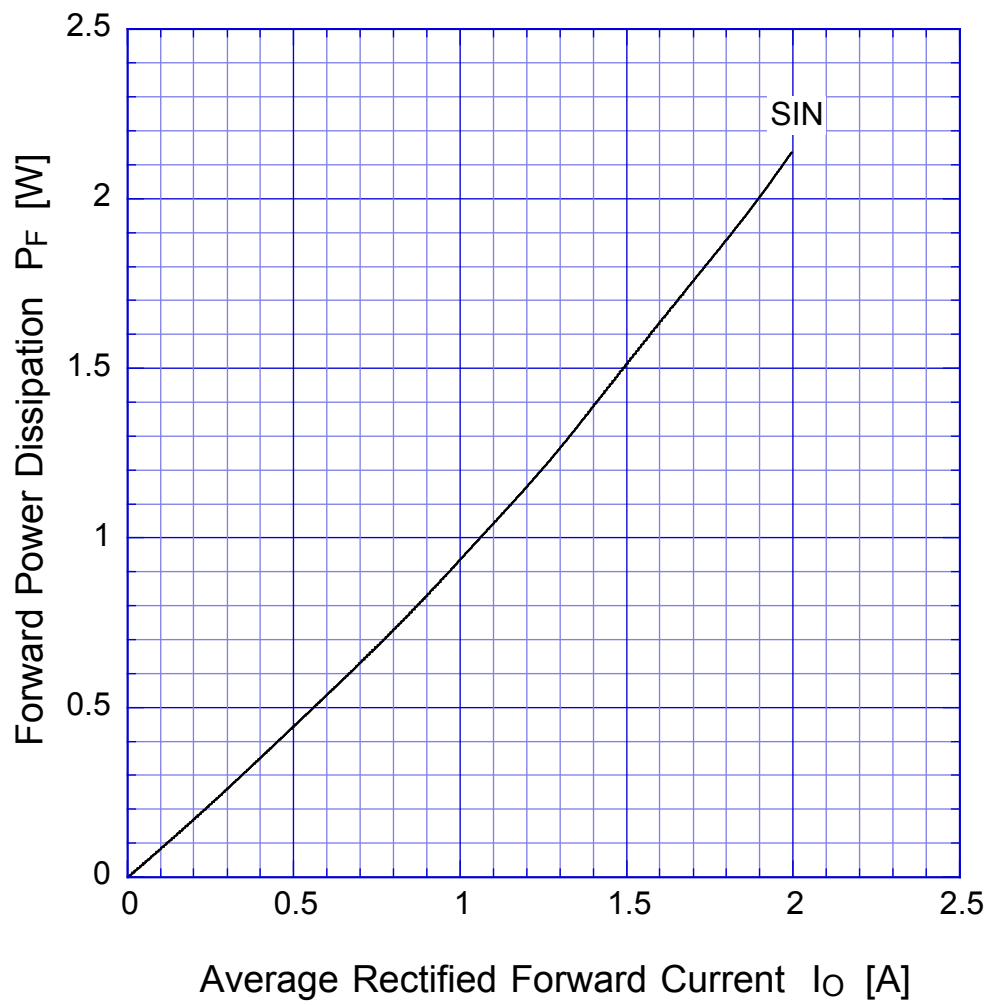
D2Fx

Forward Voltage



D2Fx

Forward Power Dissipation

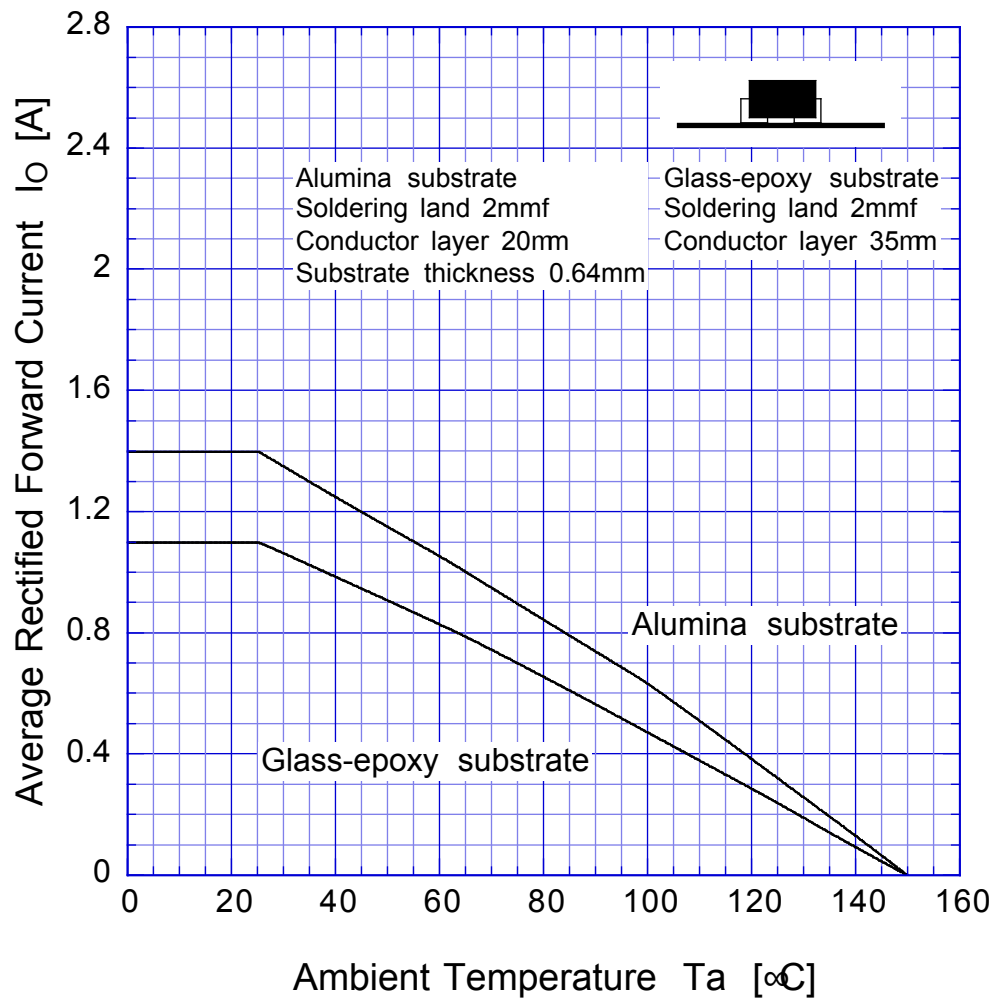


$T_j = 150^{\circ}\text{C}$

Sine wave

D2Fx

Derating Curve



Sine wave
R-load
Free in air

D2Fx

Peak Surge Forward Capability

