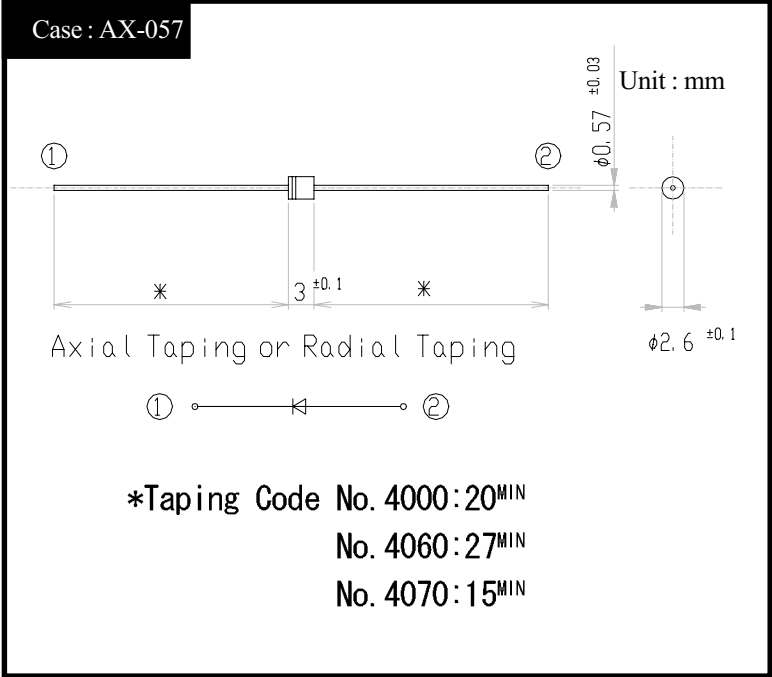


D1NF60

600V 0.8A

OUTLINE DIMENSIONS



RATINGS

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

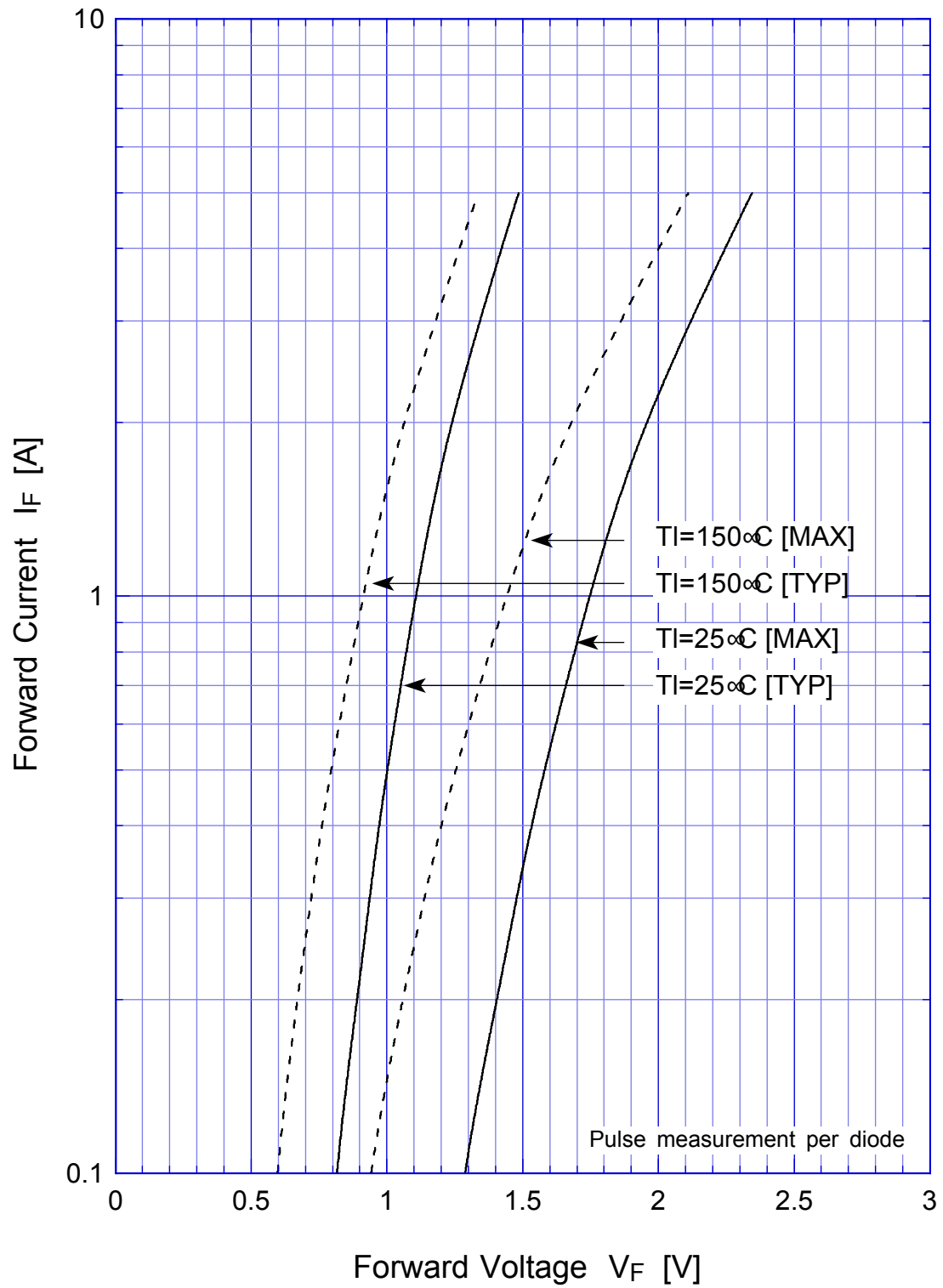
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-55~150	°C
Operating Junction Temperature	Tj		150	°C
Peak Reverse Voltage	VRM		600	V
Average Rectified Forward Current	Io	50Hz sine wave, resistance load, Ta=25°C	0.8	A
Peak Surge Forward Current	IFSM	Sine wave 50Hz, Non-repetitive 1 cycle peak value, Tj=25°C	50	A

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

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	VF	IF=0.8A, Pulse measurement	Max.1.3	V
Reverse Current	IR	VR=600V, Pulse measurement	Max.10	μA
Reverse Recovery Time	trr	IF=0.5A, IR=1A	Max.400	nS
Junction Capacitance	Cj	f=1MHz, VR=10V	Typ.7	pF
Thermal Resistance	θjl	junction to lead	Max.10	°C/W
	θja	junction to ambient	Max.113	

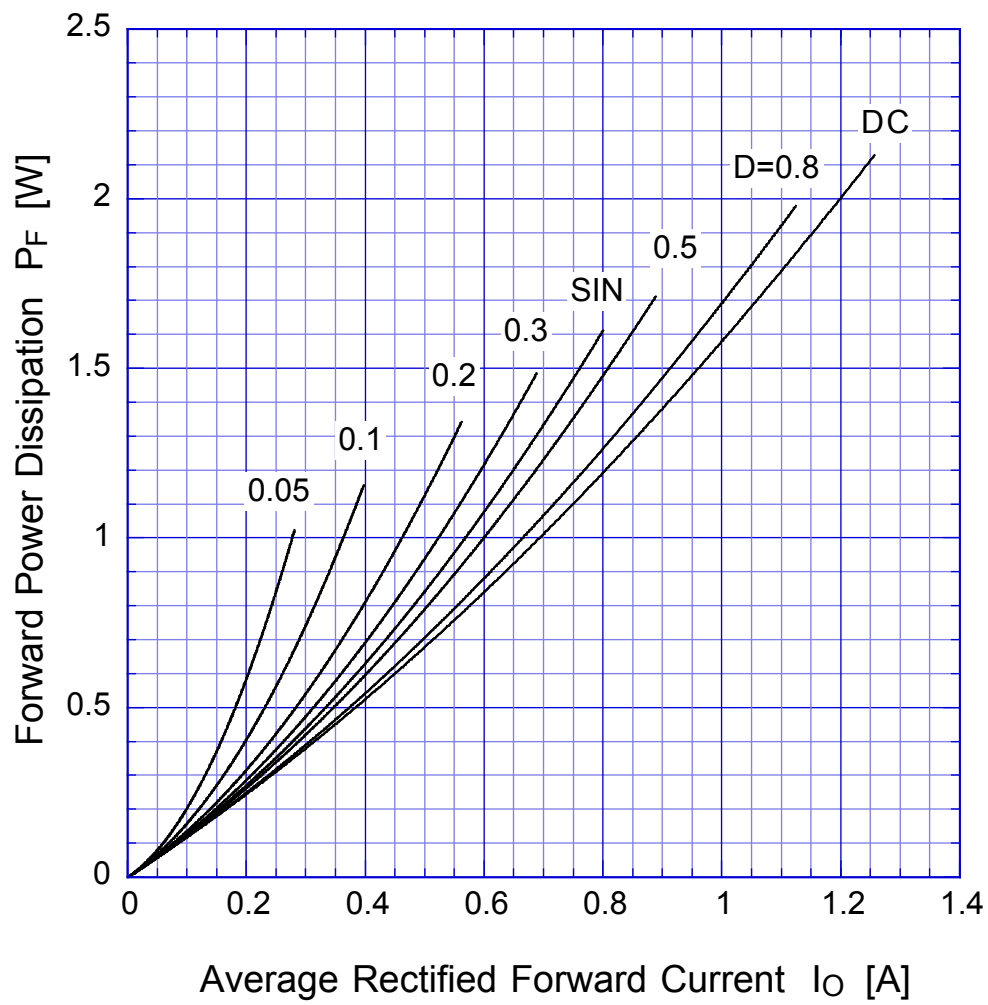
D1NF60

Forward Voltage



D1NF60

Forward Power Dissipation

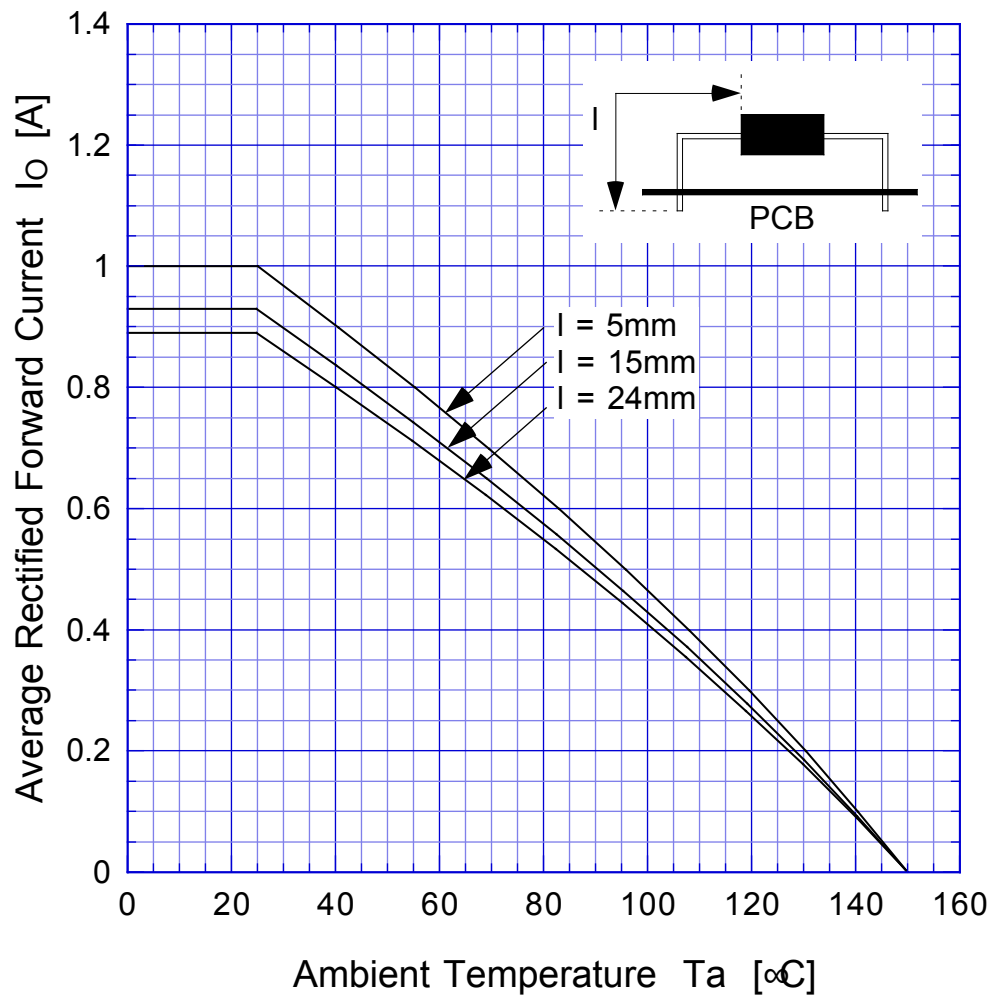


$T_j = 150^\circ\text{C}$

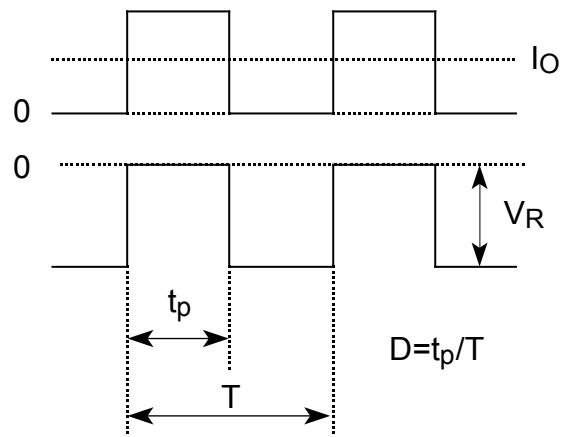


D1NF60

Derating Curve

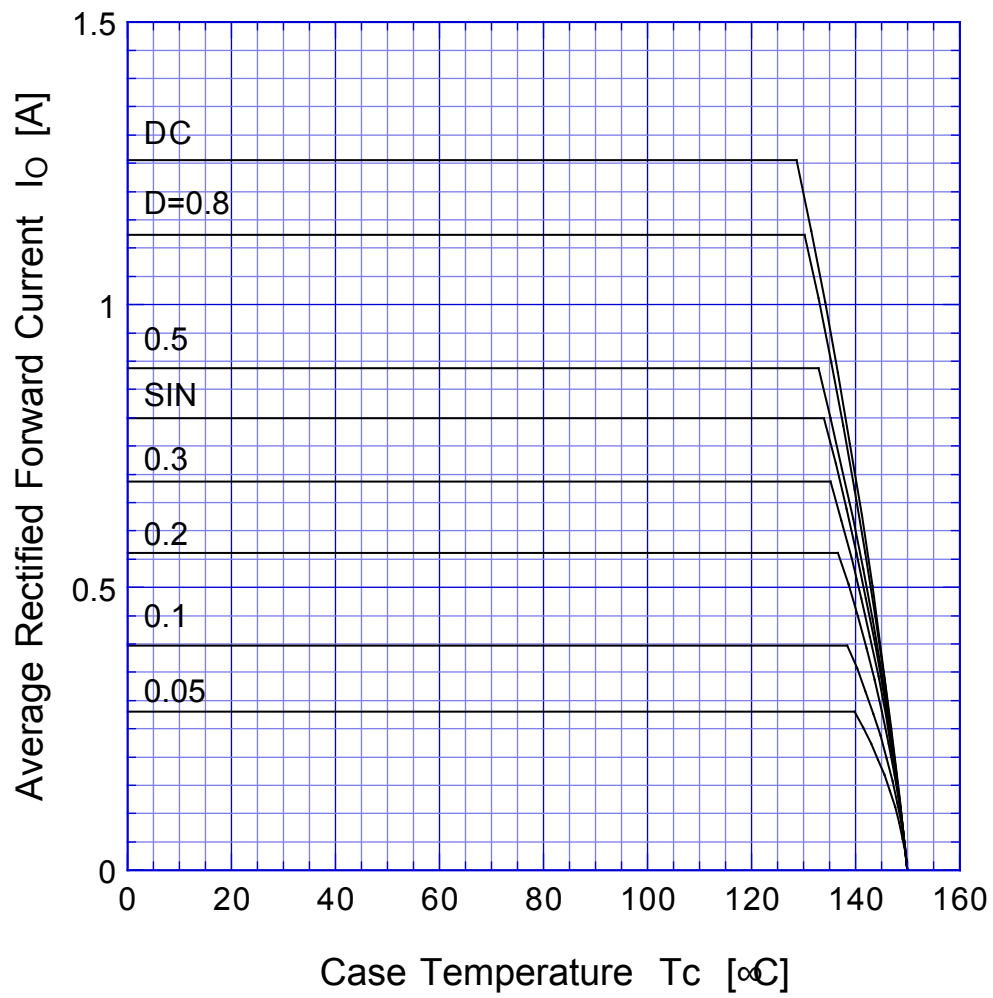


$$V_R = V_{RM}$$

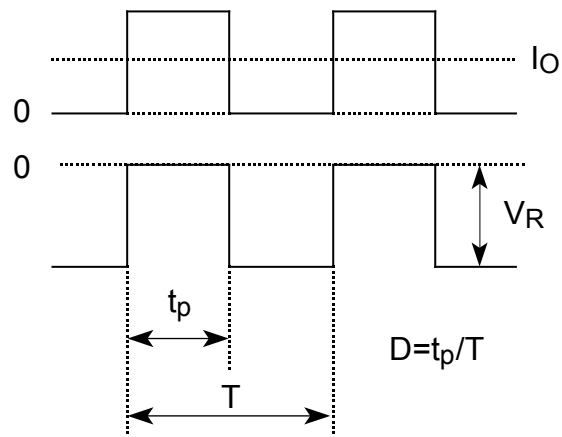


D1NF60

Derating Curve

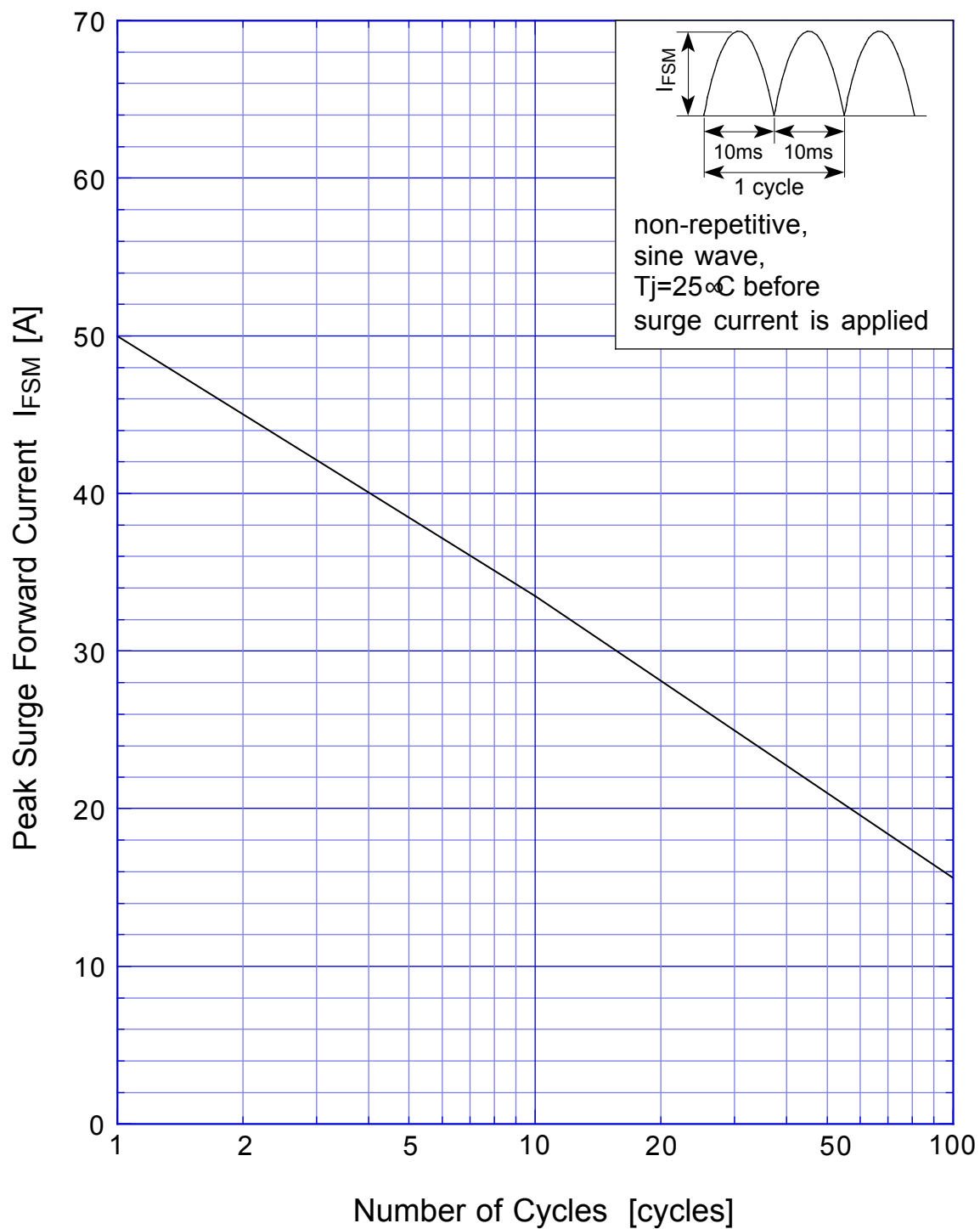


$V_R = 300V$



D1NF60

Peak Surge Forward Capability



D1NF60 Junction Capacitance

