

5,000 V - 16,000 V Rectifiers

10 mA - 40 mA Forward Current

30 ns - 50 ns Recovery Time

M50FF3 M50FF5
M100FF3 M100FF5
M160FF3 M160FF5

AXIAL LEADED
 HERMETICALLY SEALED

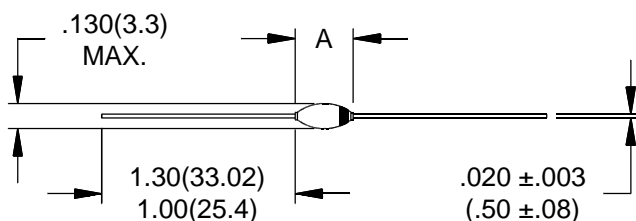


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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (Vrwm)	Average Rectified Current (Io)		Reverse Current @ Vrwm (Ir)		Forward Voltage (Vf)		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impedance θ_{J-L}			Junction Cap. @50VDC @ 1kHz (Cj)
		55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	L=.000	L=.125	L=.250	25°C
		Volts	mA	mA	μA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
M50FF3	5000	40	20	0.1	10	12.5	40	2.0	0.4	30	18	30	50.0	1.0
M100FF3	10000	20	10	0.1	10	25.0	20	1.0	0.2	30	18	30	50.0	0.5
M160FF3	16000	10	5	0.1	10	50.0	10	0.5	0.1	30	33	45	65.0	0.5
M50FF5	5000	40	20	0.1	10	12.5	40	2.0	0.4	50	18	30	50.0	1.0
M100FF5	10000	20	10	0.1	10	25.0	20	1.0	0.2	50	18	30	50.0	0.5
M160FF5	16000	10	5	0.1	10	50.0	10	0.5	0.1	50	33	45	65.0	0.5

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)If=12.5mA, Ir=25mA, Irr=6.3mA • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



Part	A
M50FFX M100FFX	.300(7.62) MAX.
M160FFX	.350(8.89) MAX.



Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



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M50FF3 M100FF3 M160FF3 M50FF5 M100FF5 M160FF5

