

High Voltage Diodes - Axial Lead

Original Released: 04-08-11

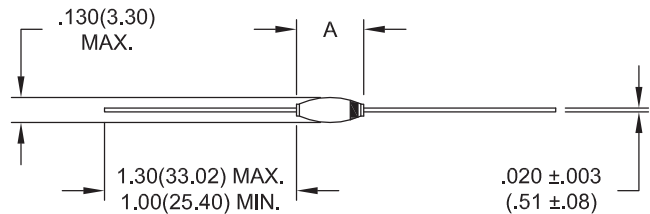
5 mA • 40ns - 50ns • Hermetic

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS														
Part Number	Working Reverse Voltage (V _{rwm})	Average Rectified Current (I _o)		Reverse Current @ V _{rwm} (I _r)		Forward Voltage (V _f)		1 Cycle Surge Current t _p =8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impedance θ _{J-L}			Junction Cap. @50VDC @ 1kHz (C _j)
		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	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
M50FF3	5000	5.0	2.0	0.1	10	20.0	10	1.00	0.40	40	18	30	50.0	1.0
M100FF3	10000	5.0	2.0	0.1	10	35.0	10	6.50	0.20	40	18	30	50.0	0.5
M160FF3	16000	5.0	2.0	0.1	10	75.0	10	0.25	0.10	40	33	45	65.0	0.5
M50FF5	5000	5.0	2.0	0.1	10	12.5	10	1.00	0.40	50	18	30	50.0	1.0
M100FF5	10000	5.0	2.0	0.1	10	25.0	10	0.50	0.20	50	18	30	50.0	0.5
M160FF5	16000	5.0	2.0	0.1	10	50.0	10	0.25	0.10	50	33	45	65.0	0.5

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" I_f=12.5mA, I_r=25mA, I_{rr}=6.3mA *Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



Part	A
M50FF(X) M100FF(X)	.300(7.62) MAX.
M160FF(X)	.350(8.89) MAX.



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



Voltage Multipliers Inc.

8711 W. Roosevelt Ave.
Visalia, CA 93291 USA

Tel: 559.651.1402
Fax: 559.651.0740

www.voltagemultipliers.com
www.highvoltagepowersupplies.com