

# 2,500 V - 16,000 V Rectifiers

10 mA - 100 mA Forward Current  
100 ns Recovery Time

**M25UFG M50UFG**  
**M100UFG M160UFG**

AXIAL LEADED  
HERMETICALLY SEALED

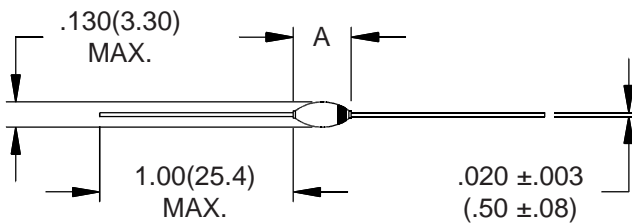


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## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V <sub>rw</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rw</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current t <sub>p</sub> =8.3ms (I <sub>fsm</sub> )	Repetitive Surge Current (I <sub>frm</sub> )	Reverse Recovery Time (3) (T <sub>rr</sub> )	Thermal Impedance θ <sub>J-L</sub>			Junction Cap. @50VDC @ 1kHz (C <sub>j</sub> )
		55°C(1)	100°C(2)	25°C	100°C	25°C					25°C	25°C	25°C	
	Volts	mA	mA	μA	μA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
M25UFG	2500	100	50	0.1	10	7.0	25	8.0	1.3	100	18	30	50.0	2.0
M50UFG	5000	50	25	0.1	10	9.0	25	4.0	0.8	100	18	30	50.0	1.0
M100UFG	10000	25	12	0.1	10	14.0	25	2.0	0.4	100	18	30	50.0	0.5
M160UFG	16000	10	5	0.1	10	35.0	10	1.0	0.2	100	33	45	65.0	0.5

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I<sub>f</sub>=12.5mA, I<sub>r</sub>=25mA, I<sub>rr</sub>=6.3mA • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



Part	A
M25UFG	.300(7.62) MAX.
M50UFG	
M100UFG	
M160UFG	.350(8.89) MAX.



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



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