

**600 V - 1,000 V Rectifiers**  
**0.5 A - 1.0 A Forward Current**  
**30 ns - 50 ns Recovery Time**

**X06FF3 X10FF3**  
**X06FF5 X10FF5**

**AXIAL LEADED**  
**HERMETICALLY SEALED**

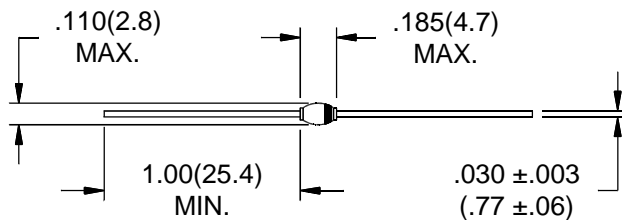


**3**

**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	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
X06FF3	600	0.60	0.30	1.0	20	3.0	0.75	16.0	3.0	30	18	38	45	16
X10FF3	1000	0.50	0.25	1.0	20	5.0	0.75	12.0	2.0	30	18	38	45	16
X06FF5	600	1.00	0.50	1.0	20	2.0	0.75	16.0	3.0	50	18	38	45	16
X10FF5	1000	0.80	0.40	1.0	20	2.2	0.75	12.0	2.0	50	18	38	45	16

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I<sub>f</sub>=0.5A, I<sub>r</sub>=1.0A, I<sub>rr</sub>=0.25A • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



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

TEL 559-651-1402  
 FAX 559-651-0740  
[www.voltagemultipliers.com](http://www.voltagemultipliers.com)

# X06FF3 X10FF3 X06FF5 X10FF5

