

**2,000 V - 15,000 V Rectifiers**  
**50 mA - 420 mA Forward Current**  
**30 ns - 50 ns Recovery Time**

**X20FF3 - X150FF3**  
**X20FF5 - X150FF5**

AXIAL LEADED  
 HERMETICALLY SEALED

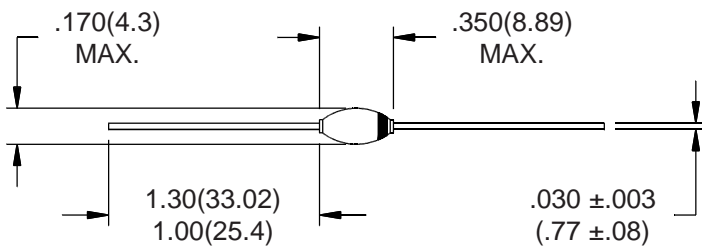


**4**

**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	25°C
X20FF3	2000	420	210	1.0	20	7.5	420	16.0	3.0	30	5	12	21.5	4.0
X50FF3	5000	150	75	1.0	20	12.5	150	10.0	1.0	30	5	12	21.5	3.0
X100FF3	10000	80	40	1.0	20	25.0	80	2.0	0.5	30	5	12	21.5	2.0
X150FF3	15000	50	25	1.0	20	37.5	50	1.6	0.3	30	5	12	21.5	2.0
X20FF5	2000	420	210	1.0	20	7.5	420	16.0	3.0	50	5	12	21.5	4.0
X50FF5	5000	150	75	1.0	20	12.5	150	10.0	1.0	50	5	12	21.5	3.0
X100FF5	10000	80	40	1.0	20	25.0	80	2.0	0.5	50	5	12	21.5	2.0
X150FF5	15000	50	25	1.0	20	37.5	50	1.6	0.3	50	5	12	21.5	2.0

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I<sub>f</sub>=125mA, I<sub>r</sub>=250mA, I<sub>rr</sub>=63mA • 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.



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# X20FF3 - X150FF3 X20FF5 - X150FF5

