

# 15,000 V - 20,000 V Rectifiers

25 mA - 50 mA Forward Current  
3000 ns Recovery Time

**X150SG**  
**X200SG**

AXIAL LEADED  
HERMETICALLY SEALED

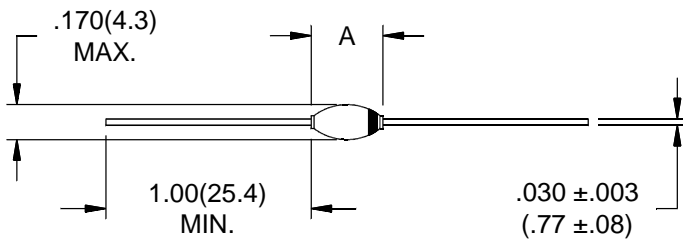


**4**

## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V <sub>rwm</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rwm</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		25°C	25°C
		Volts	mA	mA	µA	µA	Volts				mA	Amps	Amps		ns	°C/W
X150SG	15000	50	25	1.0	20	20.0	100	1	0.5	3000	5	12	21.5	2.0		
X200SG	20000	25	13	1.0	20	26.0	50	2	0.5	3000	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



Part	A
X150SG	.360(9.14) MAX.
X200SG	.380(9.65) MAX.



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



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