

15,000 V - 20,000 V Rectifiers

25 mA - 50 mA Forward Current
3000 ns Recovery Time

X150SG
X200SG

AXIAL LEADED
HERMETICALLY SEALED

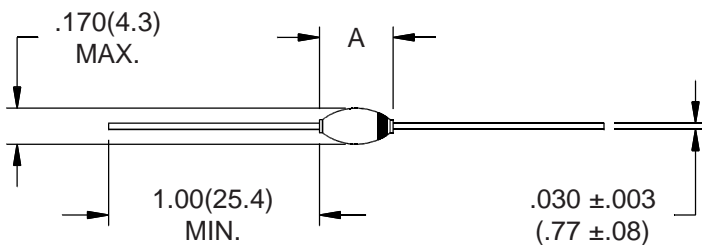


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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (Vrwm)	Average Rectified Current (Io)		Reverse Current @ Vrwm (Ir)		Forward Voltage (Vf)		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impedance θ_{J-L}			Junction Cap. @50VDC @ 1kHz (Cj)
		55 °C(1)	100 °C(2)	25 °C	100 °C	25 °C					25 °C	25 °C	25 °C	
	Volts	mA	mA	μ A	μ A	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
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)If=125mA, Ir=250mA, Irr=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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X150SG X200SG

