

2,500 V - 10,000 V Rectifiers

100 mA - 250 mA Forward Current
3000 ns Recovery Time

X25SG
X50SG
X100SG

AXIAL LEADED
HERMETICALLY SEALED

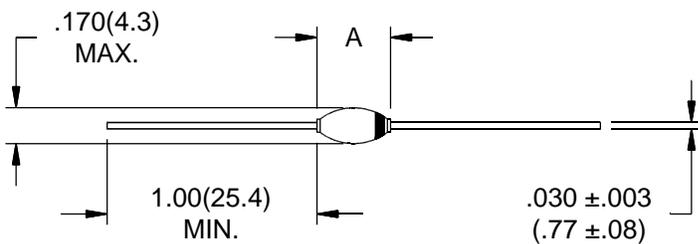


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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V _{rrm})	Average Rectified Current (I _o)		Reverse Current @ V _{rrm} (I _r)		Forward Voltage (V _f)		1 Cycle Surge Current t _p =8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impedance θ _{J-L}			Junction Cap. @50VDC @ 1kHz (C _j)		
		55°C(1)	100°C(2)	25°C	100°C	25°C	25°C				25°C	25°C	L=000		L=.125	L=.250
		Volts	mA	mA	µA	µA	Volts				mA	Amps	Amps		ns	°C/W
X25SG	2500	250	125	1.0	20	6.0	100	15	3.0	3000	5	12	21.5	4.0		
X50SG	5000	150	75	1.0	20	8.0	100	10	2.0	3000	5	12	21.5	3.0		
X100SG	10000	100	50	1.0	20	13.0	100	5	1.0	3000	5	12	21.5	2.0		

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I_f=125mA, I_r=250mA, I_{rr}=63mA • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



Part	A
X25SG X50SG X100SG	.350(8.89) MAX.



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

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