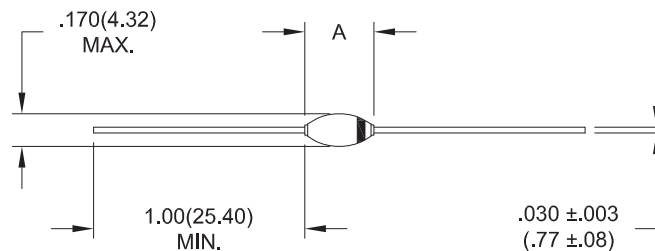


High Voltage Diodes - Axial Lead

25mA - 250mA • 3000ns • Hermetic

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS														
Part Number	Working Reverse Voltage (V _{rw})	Average Rectified Current (I _o)		Reverse Current @ V _{rw} (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	25°C	L=000	L=.125	L=.250
	Volts	mA	mA	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
X25SG	2500	250	125	1.0	20	6.0	100	15	3.0	3000	5	12	22	4.0
X50SG	5000	150	75	1.0	20	8.0	100	10	2.0	3000	5	12	22	3.0
X100SG	10000	100	50	1.0	20	13.0	100	5	1.0	3000	5	12	22	2.0
X150SG	15000	50	25	1.0	20	20.0	100	1	0.5	3000	5	12	22	2.0
X200SG	20000	25	13	1.0	20	26.0	50	2	0.5	3000	5	12	22	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	.240(6.10) MAX.
X50SG	.260(6.60) MAX.
X100SG	.320(8.13) MAX.
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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X25SG X50SG X100SG X150SG X200SG

