

2,500 V - 10,000 V Rectifiers

100 mA - 250 mA Forward Current

100 ns Recovery Time

X25UFG
X50UFG
X100UFG

AXIAL LEADED
HERMETICALLY SEALED

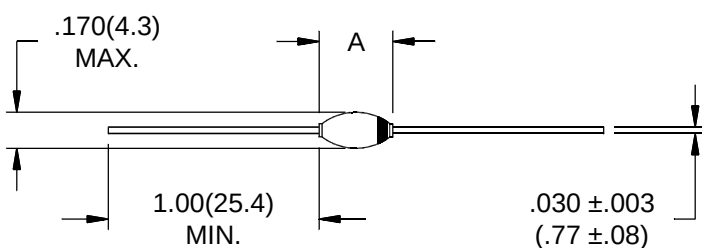


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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

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	L=000	L=.125	L=.250	25°C
	Volts	mA	mA	μA	μA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
X25UFG	2500	250	125	1.0	20	7.0	100	15	3.0	100	5	12	21.5	4.0
X50UFG	5000	150	75	1.0	20	9.0	100	10	2.0	100	5	12	21.5	3.0
X100UFG	10000	100	50	1.0	20	14.0	100	5	1.0	100	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
X25UFG X50UFG X100UFG	.350(8.89) MAX.



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



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