

2,500 V - 10,000 V Rectifiers

100 mA - 250 mA Forward Current
200 ns Recovery Time

X25FG
X50FG
X100FG

AXIAL LEADED
HERMETICALLY SEALED

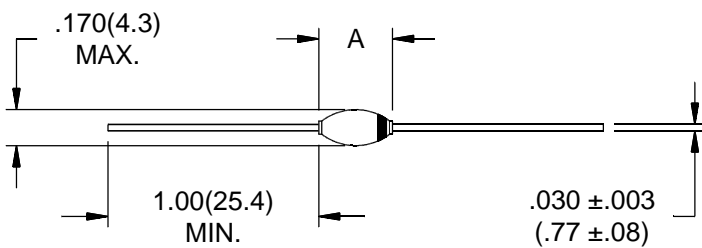


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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| 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 | |
| | Volts | mA | mA | μA | μA | Volts | mA | Amps | Amps | ns | °C/W | °C/W | °C/W | pF |
| X25FG | 2500 | 250 | 125 | 1.0 | 20 | 6.0 | 100 | 15 | 3.0 | 200 | 5 | 12 | 21.5 | 4.0 |
| X50FG | 5000 | 150 | 75 | 1.0 | 20 | 8.0 | 100 | 10 | 2.0 | 200 | 5 | 12 | 21.5 | 3.0 |
| X100FG | 10000 | 100 | 50 | 1.0 | 20 | 13.0 | 100 | 5 | 1.0 | 200 | 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 |
|--------------------------|-----------------|
| X25FG X50FG X100FG | .350(8.89) MAX. |



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



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