

# 15,000 V - 20,000 V Rectifiers

25 mA - 50 mA Forward Current  
200 ns Recovery Time

X150FG  
X200FG

AXIAL LEADED  
HERMETICALLY SEALED

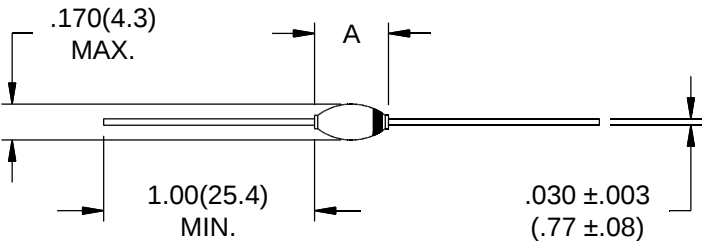


4

## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number | Working Reverse Voltage<br>(Vrwm) | Average Rectified Current<br>(Io) |          | Reverse Current @ Vrwm<br>(Ir) |       | Forward Voltage<br>(Vf) |     | 1 Cycle Surge Current<br>tp=8.3ms<br>(Ifsm) | Repetitive Surge Current<br>(Ifrm) | Reverse Recovery Time<br>(3)<br>(Trr) | Thermal Impedance<br>$\theta_{J-L}$ |        |        | Junction Cap.<br>@50VDC<br>@ 1kHz<br>(Cj) |
|-------------|-----------------------------------|-----------------------------------|----------|--------------------------------|-------|-------------------------|-----|---------------------------------------------|------------------------------------|---------------------------------------|-------------------------------------|--------|--------|-------------------------------------------|
|             |                                   | 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                                        |
| X150FG      | 15000                             | 50                                | 25       | 1.0                            | 20    | 20.0                    | 100 | 3                                           | 0.5                                | 200                                   | 5                                   | 12     | 21.5   | 2.0                                       |
| X200FG      | 20000                             | 25                                | 13       | 1.0                            | 20    | 28.0                    | 50  | 2                                           | 0.5                                | 200                                   | 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               |
|--------|-----------------|
| X150FG | .360(9.14) MAX. |
| X200FG | .380(9.65) 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

# X150FG X200FG

