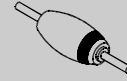


# 15,000 V Rectifiers

0.30 A Forward Current  
100 ns Recovery Time

## Z150UFG

AXIAL LEADED  
HERMETICALLY SEALED

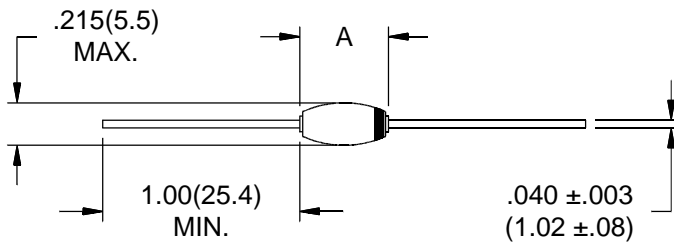


4

### ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number | Working Reverse Voltage<br>(V <sub>rrm</sub> ) | Average Rectified Current<br>(I <sub>o</sub> ) |          | Reverse Current @ V <sub>rrm</sub><br>(I <sub>r</sub> ) |       | Forward Voltage<br>(V <sub>f</sub> ) |      | 1 Cycle Surge Current<br>t <sub>p</sub> =8.3ms<br>(I <sub>fsm</sub> ) | Repetitive Surge Current<br>(I <sub>frm</sub> ) | Reverse Recovery Time<br>(3)<br>(T <sub>rr</sub> ) | Thermal Impedance<br>θ <sub>J-L</sub> |      |       | Junction Cap.<br>@50VDC<br>@ 1kHz<br>(C <sub>j</sub> ) |
|-------------|--|--|----------|---|-------|--------------------------------------|------|---|---|--|---------------------------------------|------|-------|--|
|             |  | 55°C(1)  | 100°C(2) | 25°C  | 100°C | 25°C                                 | 25°C |   |   |  | 25°C                                  | 25°C | L=000 |  |
|             | Volts  | Amps   | Amps     | μA  | μA    | Volts                                | Amps | Amps  | Amps  | ns   | °C/W                                  | °C/W | °C/W  | pF   |
| Z150UFG     | 15000  | 0.30   | 0.15     | 1.0   | 25    | 22.0                                 | 0.30 | 10  | 2   | 100  | 3                                     | 6    | 12    | 5  |

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I<sub>f</sub>=0.5A, I<sub>r</sub>=1.0A, I<sub>rr</sub>=0.25A • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



| Part    | A                |
|---------|------------------|
| Z150UFG | .450(11.43) 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

# Z150UFG

