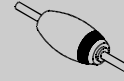


2,500 V - 10,000 V Rectifiers

0.50 A - 1.5 A Forward Current
100 ns Recovery Time

Z25UFG
Z50UFG
Z100UFG

AXIAL LEADED
HERMETICALLY SEALED

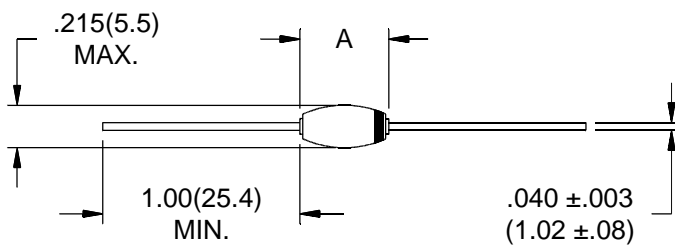


4

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 | 25°C |
| | Volts | Amps | Amps | µA | µA | Volts | Amps | Amps | Amps | ns | °C/W | °C/W | °C/W | pF |
| Z25UFG | 2500 | 1.50 | 1.00 | 1.0 | 25 | 7.5 | 2.00 | 60 | 10 | 100 | 3 | 6 | 12 | 20 |
| Z50UFG | 5000 | 1.00 | 0.50 | 1.0 | 25 | 10.5 | 1.00 | 40 | 8 | 100 | 3 | 6 | 12 | 16 |
| Z100UFG | 10000 | 0.50 | 0.25 | 1.0 | 25 | 14.0 | 0.60 | 25 | 5 | 100 | 3 | 6 | 12 | 8 |

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I_f=0.5A, I_r=1.0A, I_{rr}=0.25A • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



| Part | A |
|---------|------------------|
| Z25UFG | .350(8.89) MAX. |
| Z50UFG | .350(8.89) MAX. |
| Z100UFG | .400(10.16) MAX. |



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



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Z25UFG Z50UFG Z100UFG

