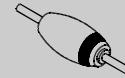


# 2,500 V - 10,000 V Rectifiers

0.50 A - 1.5 A Forward Current  
3000 ns Recovery Time

**Z25SG**  
**Z50SG**  
**Z100SG**

AXIAL LEADED  
HERMETICALLY SEALED

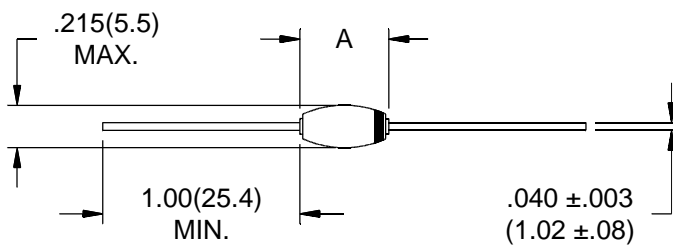


**4**

## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V <sub>rwm</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rwm</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current t <sub>p</sub> =8.3ms (I <sub>fsm</sub> )	Repetitive Surge Current (I <sub>frm</sub> )	Reverse Recovery Time (3) (T <sub>rr</sub> )	Thermal Impedance θ <sub>J-L</sub>			Junction Cap. @50VDC @ 1kHz (C <sub>j</sub> )
		55 °C(1)	100 °C(2)	25 °C	100 °C	25 °C	25 °C				25 °C	25 °C	25 °C	
		Volts	Amps	Amps	µA	µA	Volts				Amps	Amps	Amps	
Z25SG	2500	1.50	1.00	1.0	25	5.5	2.00	60	10	3000	3	6	12	20
Z50SG	5000	1.00	0.50	1.0	25	8.5	1.00	40	8	3000	3	6	12	16
Z100SG	10000	0.50	0.25	1.0	25	12.0	0.60	25	5	3000	3	6	12	8

(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
Z25SG	.350(8.89) MAX.
Z50SG	.350(8.89) MAX.
Z100SG	.400(10.16) MAX.



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



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# Z25SG Z50SG Z100SG

