

2,500 V - 10,000 V Rectifiers

0.50 A - 1.5 A Forward Current

3000 ns Recovery Time

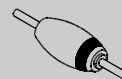
Z25SG

Z50SG

Z100SG

AXIAL LEADED

HERMETICALLY SEALED

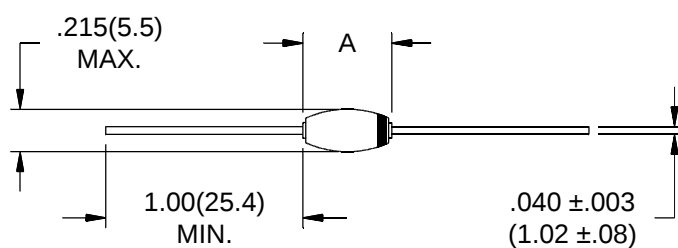


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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

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	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
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_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
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

