

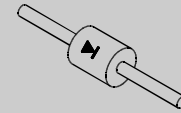
2,500 V - 10,000 V Rectifiers

0.60 A - 2.0 A Forward Current

3000 ns Recovery Time

Z25S
Z50S
Z100S

AXIAL LEADED
EPOXY MOLDED

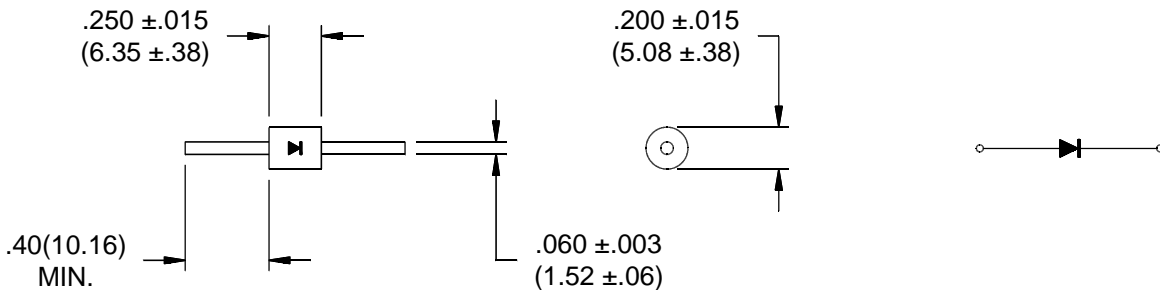


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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V _{rwm})	Average Rectified Current (I _o)		Reverse Current @ V _{rwm} (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				L=.000	L=.250	
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	pF
Z25S	2500	2.00	1.00	1.0	25	5.5	2.0	60	10	3000	3	10.0	20
Z50S	5000	1.00	0.50	1.0	25	8.5	1.0	40	8	3000	3	10.0	16
Z100S	10000	0.60	0.30	1.0	25	12.0	0.6	25	5	3000	3	10.0	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.= -55°C to +150°C Stg. Temp.= -55°C to +175°C



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



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Z25S Z50S Z100S

