

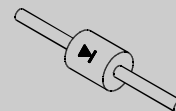
2,500 V - 10,000 V Rectifiers

0.60 A - 2.0 A Forward Current

3000 ns Recovery Time

Z25S
Z50S
Z100S

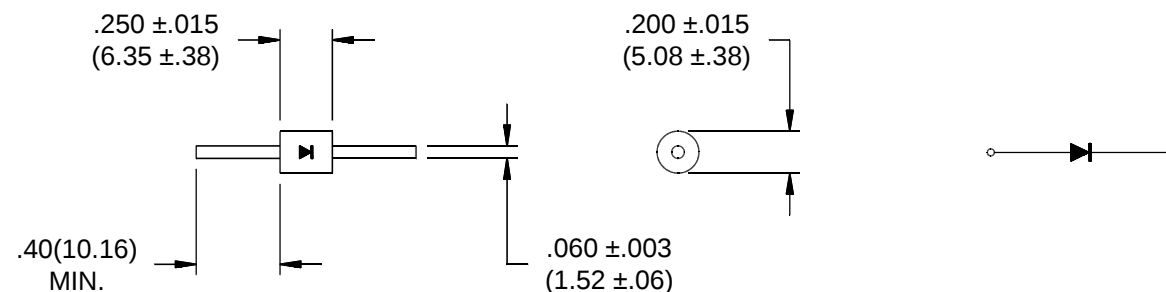
AXIAL LEADED
EPOXY MOLDED



ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ Vrwm		Forward Voltage		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impedance		Junction Cap. @50VDC @ 1kHz (Cj)
	(Vrwm)	(Io)		(Ir)		(Vf)					θ_{J-L}		
	Volts	55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	L=.000	L=.250	
		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)If=0.5A, Ir=1.0A, Irr=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

