

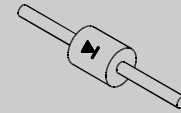
# 2,500 V - 10,000 V Rectifiers

0.60 A - 2.0 A Forward Current

3000 ns Recovery Time

**Z25S**  
**Z50S**  
**Z100S**

AXIAL LEADED  
EPOXY MOLDED

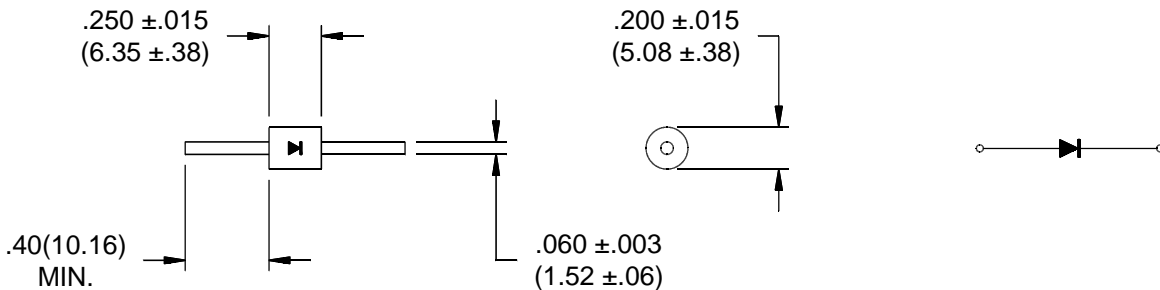


**5**

## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V <sub>rw</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rw</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				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<sub>f</sub>=0.5A, I<sub>r</sub>=1.0A, I<sub>rr</sub>=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.



**VOLTAGE MULTIPLIERS INC.**  
8711 W. Roosevelt Ave.  
Visalia, CA 93291

TEL 559-651-1402  
FAX 559-651-0740  
www.voltagemultipliers.com

# Z25S Z50S Z100S

