

*New Jersey Semi-Conductor Products, Inc.*

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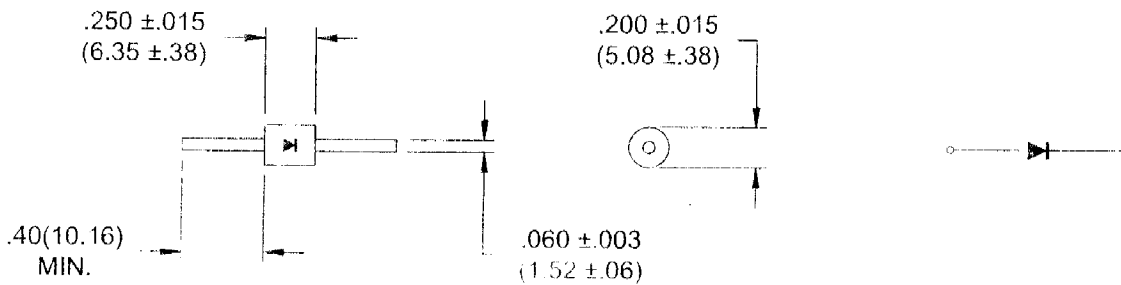
**2,500V – 10,000V Rectifiers**

**0.40 A – 1.0 A Forward Current**  
**100 ns Recovery Time**

**Axial Leaded**  
**Epoxy Molded**

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> )	
		Volts	55°C(1)	100°C(2)	25°C	100°C	25°C	Amps	25°C	25°C	25°C	L=.000	L=.250	pF
			Amps	Amps	µA	µA	Volts		Amps	Amps	ns	°C/W	°C/W	
Z25UF	2500	1.00	0.50	1.0	25	7.5	2.0	60	10	100	3	10.0	20	
Z50UF	5000	0.75	0.38	1.0	25	10.5	1.0	40	8	100	3	10.0	16	
Z100UF	10000	0.40	0.20	1.0	25	14.0	0.6	25	5	100	3	10.0	8	

(1) T<sub>L</sub>=55°C L=0.375" (2) T<sub>L</sub>=100°C L=0.375" (3) f=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



**Quality Semi-Conductors**