

# 2,500 V - 10,000 V Rectifiers

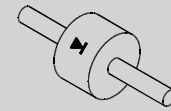
1.5 A - 3.0 A Forward Current

3000 ns Recovery Time

**K25S**  
**K50S**  
**K100S**

AXIAL LEADED  
EPOXY MOLDED

Original Released: 07-22-99  
Revised Date: 11-13-08

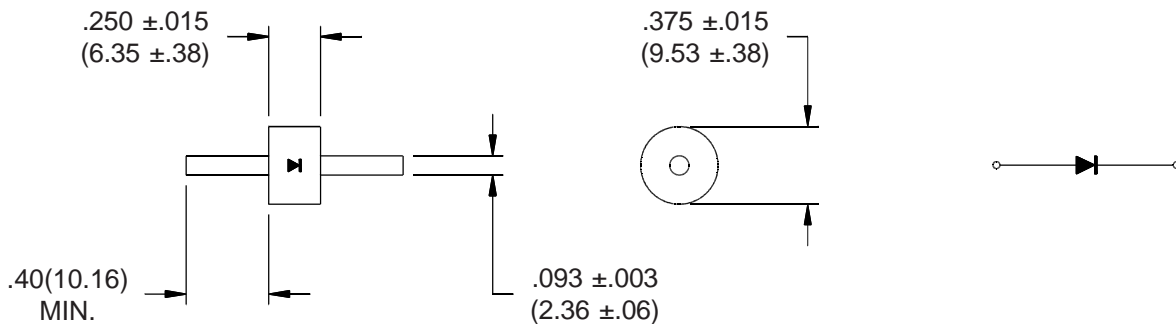


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## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V <sub>rrm</sub> ) Volts	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rrm</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	25 °C	25 °C	25 °C	L=.000	L=.250	pF
		Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	Amps	ns	°C/W	
K25S	2500	3.00	1.50	2.0	100	5.5	3.0	200	50	3000	2	4.5	70
K50S	5000	2.20	1.10	2.0	100	8.5	2.2	150	35	3000	2	4.5	50
K100S	10000	1.50	0.75	2.0	100	12.0	1.5	100	25	3000	2	4.5	35

(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.



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# K25S K50S K100S

