

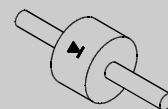
2,500 V - 10,000 V Rectifiers

1.5 A - 3.0 A Forward Current

200 ns Recovery Time

K25F
K50F
K100F

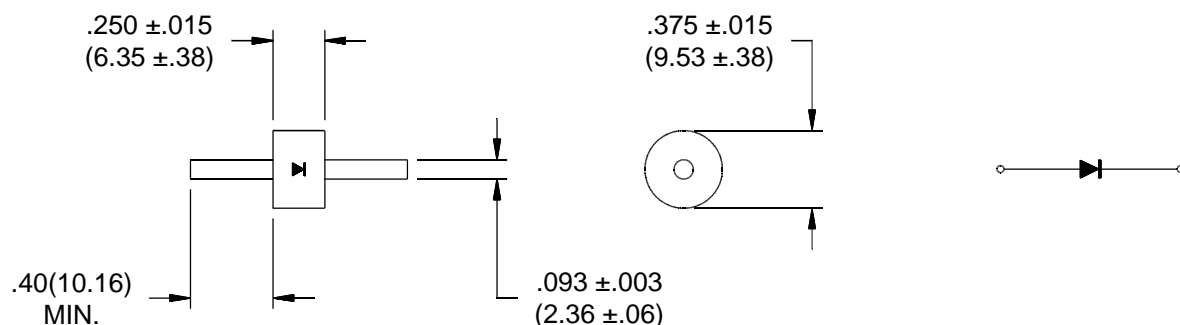
AXIAL LEADED
EPOXY MOLDED



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) Amps	100°C(2) Amps	25°C μA	100°C μA	25°C Volts	25°C Amps	25°C Amps	25°C Amps	ns	L=.000 °C/W	L=.250 °C/W	pF
K25F	2500	3.00	1.50	2.0	100	6.5	3.0	200	50	200	2	4.5	70
K50F	5000	2.20	1.10	2.0	100	9.5	2.2	150	35	200	2	4.5	50
K100F	10000	1.50	0.75	2.0	100	13.0	1.5	100	25	200	2	4.5	35

(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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K25F K50F K100F

