

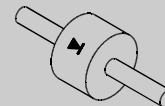
2,500 V - 10,000 V Rectifiers

1.5 A - 3.0 A Forward Current

200 ns Recovery Time

**K25F
K50F
K100F**

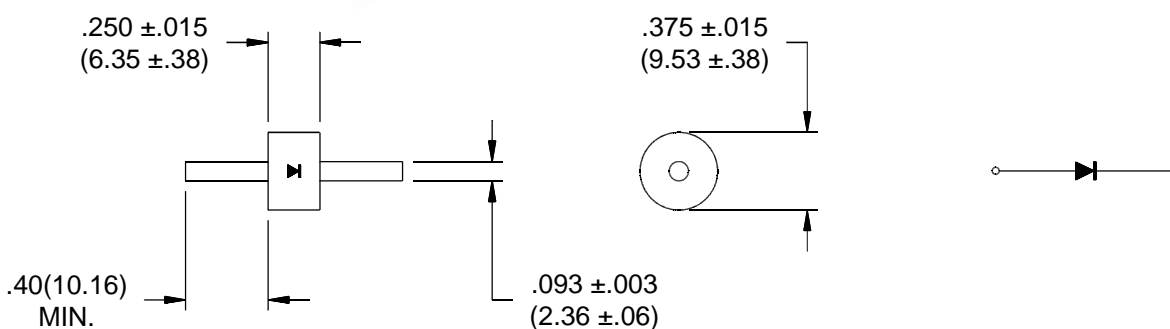
AXIAL LEADED
EPOXY MOLDED



ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number | Working Reverse Voltage (V _{rwm}) | Average Rectified Current (I _o) | | Reverse Current @ V _{rwm} (I _r) | | Forward Voltage (V _f) | | 1 Cycle Surge Current t _p =8.3ms (I _{fsm}) | Repetitive Surge Current (I _{frm}) | Reverse Recovery Time (3) (T _{rr}) | Thermal Impedance θ _{J-L} | | Junction Cap. @50VDC @ 1kHz (C _j) |
|-------------|--|--|----------|---|-------|--------------------------------------|------|---|---|--|---------------------------------------|--------|--|
| | | 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 |
| | Volts | Amps | Amps | µA | µA | Volts | Amps | Amps | Amps | ns | °C/W | °C/W | |
| 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)I_f=0.5A, I_r=1.0A, I_{rr}=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

