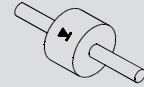


# Spice Model

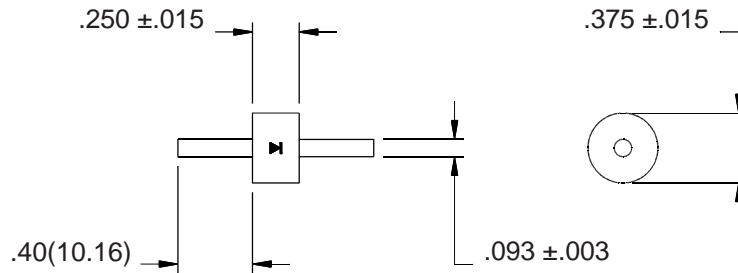


**K25UF**



## 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	25°C	25°C	L=.000	L=.250	pF
	Volts	Amps	Amps	µA	µA	Volts	A	Amps	Amps	ns	°C/W	°C/W	
K25UF	2500	3.00	1.50	2.0	100	7.5	3.0	200	50	100	2	4.5	70



Name	Parameter	Value	Units
IS	Reverse leakage current	1.00E-06	Amps
N	Emission coefficient	11	
T	Temperature	25	C
RS	Diode series resistance	0.08	Ohm
TT	Transit time	100	nS
CJ0	Zero-bias junction capacitance	102.50	pF
VJ	Bulk junction potential	3.27	Volts
M	Grading coefficient	0.5	
EG	Energy-band gap	1.11	Volts
XTI	Temperature coefficient	3	
KF	Flicker-noise coefficient	0	
AF	Flicker-noise exponent	1	
FC	Coefficient for capacitance	0.5	
BV	Diode breakdown voltage	3600	Volts
IBV	Diode breakdown current	100	uAmps

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