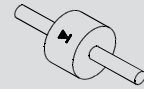
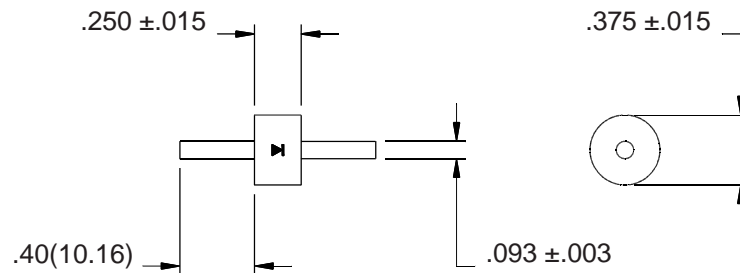


Spice Model**K25UF****Electrical Characteristics and Maximum Ratings**

Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ V _{rw}		Forward Voltage		1 Cycle Surge Current t _p =8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impedance		Junction Cap. @50VDC @1kHz (C _j)
	(V _{rw})	(I _o)		(I _r)		(V _f)		25°C	25°C	25°C	θ _{J-L}		
	Volts	55°C(1) Amps	100°C(2) Amps	25°C μA	100°C μA	Volts	A	Amps	Amps	ns	L=.000 °C/W	L=.250 °C/W	pF
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.



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