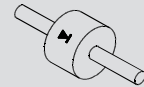


Spice Model

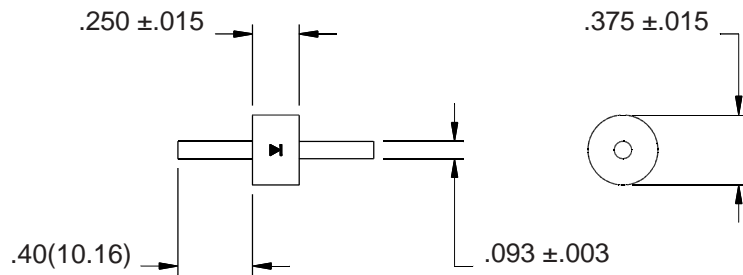


K25S



Electrical Characteristics and Maximum Ratings

Part Number	Working Reverse Voltage (V _{rw})	Average Rectified Current (I _o)		Reverse Current @ V _{rw} (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	L=.000	L=.250	pF
	Volts	Amps	Amps	µA	µA	Volts	A	Amps	Amps	ns	°C/W	°C/W	
K25S	2500	3.00	1.50	2.0	100	5.5	3.0	200	50	3000	2	4.5	70



Name	Parameter	Value	Units
IS	Reverse leakage current	1.00E-06	Amps
N	Emission coefficient	8.2	
T	Temperature	25	C
RS	Diode series resistance	0.002	Ohm
TT	Transit time	3000	nS
CJO	Zero-bias junction capacitance	103.90	pF
VJ	Bulk junction potential	3.51	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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