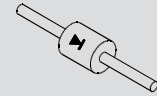


Spice Model

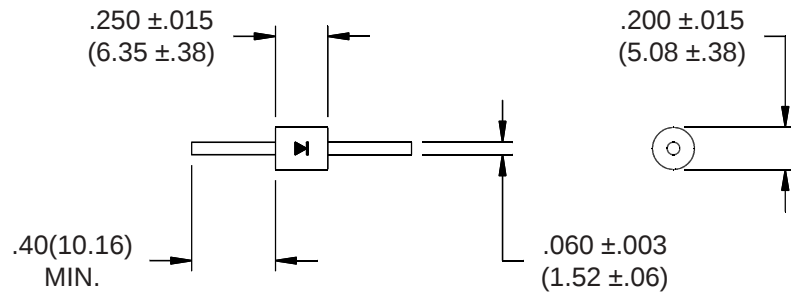


Z25UF



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)					θ _{J-L}		
	Volts	55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	L=.000	L=.250	25°C
		Amps	Amps	μA	μA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	pF
Z25UF	2500	1.0	0.50	1.0	25	7.5	2.0	60	10	100	3	10	20



Name	Parameter	Value	Units
I _s	Reverse leakage current	5.0E-07	Amps
N	Emission coefficient	11	
T	Temperature	25	C
RS	Diode series resistance	0.12	Ohm
TT	Transit time	100	nS
C _{j0}	Zero-bias junction capacitance	29.26	pF
VJ	Bulk junction potential	2.53	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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