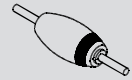


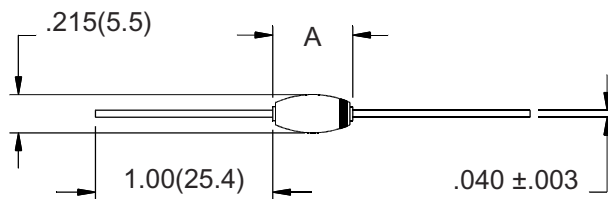
Spice Model



Z25SG



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 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=.125	L=.250	25°C
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
Z25SG	2500	1.50	1.0	1.0	25	5.5	2.0	60	10	3000	3	6	12	20



Part	A
Z25SG Z50SG	.350(8.89) MAX.
Z100SG	.400(10.16) MAX

I_s	Reverse leakage current	5.0E-07	Amps
N	Emission coefficient	8.6	
T	Temperature	25	C
RS	Diode series resistance	.005	Ohm
TT	Transit time	3000	nS
C_{j0}	Zero-bias junction capacitance	33.69	pF
VJ	Bulk junction potential	4.47	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



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