

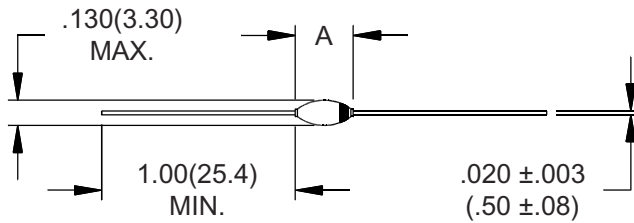
Spice Model



M25SG



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	25°C	L=.000	L=.125	L=.250
	Volts	mAmps	mAmps	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
M25SG	2500	100	50	0.1	10	6	25	8.0	1.2	3000	18	30	50	2.0



Part	A
M25SG M50SG M100SG	.300(7.62) MAX.
M160SG	.350(8.89) MAX

IS	Reverse leakage current	1.00E-07	Amps
N	Emission coefficient	9.5	
T	Temperature	25	C
RS	Diode series resistance	0.3	Ohm
TT	Transit time	3000	nS
CJ0	Zero-bias junction capacitance	2.22	pF
VJ	Bulk junction potential	6.76	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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