

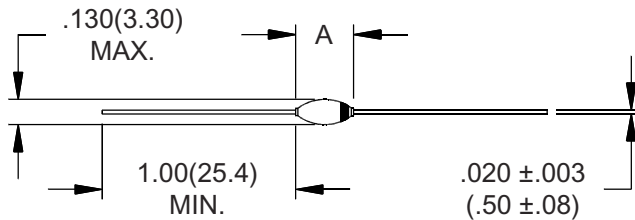
Spice Model



M160SG



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)					J-L			
	Volts	55°C(1) mAmps	100°C(2) mAmps	25°C μA	100°C μA	25°C Volts	mA	25°C Amps	25°C Amps	ns	L=.000 °C/W	L=.125 °C/W	L=.250 °C/W	25°C pF
M160SG	16000	10	5	0.1	10	35	10	.5	0.1	3000	33	45	65	0.5



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	46.25	
T	Temperature	25	C
RS	Diode series resistance	2.5	Ohm
TT	Transit time	3000	nS
CJ0	Zero-bias junction capacitance	0.45	pF
VJ	Bulk junction potential	28.44	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	20000	Volts
IBV	Diode breakdown current	100	uAmps



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