

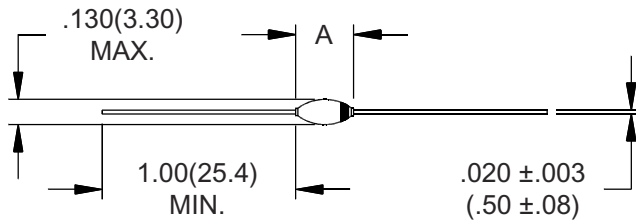
Spice Model



M160SG



Part Number	Working Reverse Voltage (Vrwm)	Average Rectified Current (Io)		Reverse Current @ Vrwm (Ir)		Forward Voltage (Vf)		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifm)	Reverse Recovery Time (3) (Trr)	Thermal Impedance J-L			Junction Cap. @50VDC @ 1kHz (Cj)
		55°C(1)	100°C(2)	25°C	100°C	25°C					25°C	25°C	25°C	
	Volts	mAmps	mAmps	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	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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