

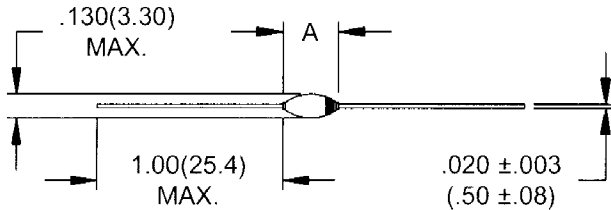
New Jersey Semi-Conductor Products, Inc.

20 STERN AVE.
SPRINGFIELD, NEW JERSEY 07081
U.S.A.

M25UFG
M50UFG
M100UFG
M160UFG

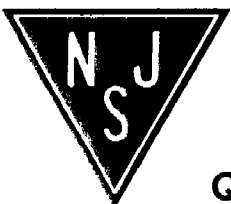
TELEPHONE: (973) 376-2922
(212) 227-6005
FAX: (973) 376-8960

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 I _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
		mAmps	mAmps	µA	µA	Volts	mA				Amps	Amps	ns		°C/W	°C/W	°C/W
M160UFG	16000	10	5	0.1	10	35	10	1	2	100	33	45	65	0.5			



Part	A
M25UFG M50UFG M100UFG	.300(7.62) MAX.
M160UFG	.350(8.89) MAX.

IS	Reverse leakage current	1.00E-07	Amps
N	Emission coefficient	65	
T	Temperature	25	C
RS	Diode series resistance	40	Ohm
TT	Transit time	70	nS
CJO	Zero-bias junction capacitance	0.43	pF
VJ	Bulk junction potential	19.22	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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