

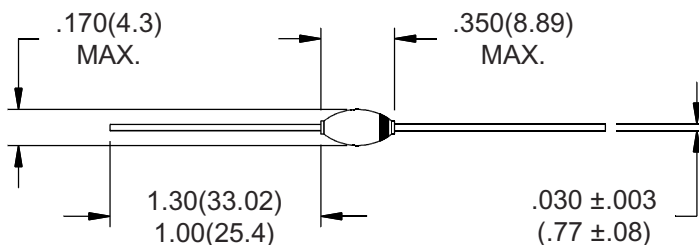
Spice Model



X150UFG



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 (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impedance J-L			Junction Cap. @50VDC @ 1kHz (Cj) 25°C
		55°C(1)	100°C(2)	25°C	100°C	25°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
X150UFG	15000	50	25	1.0	20	22.0	100	3.0	0.5	100	5	12	21.5	2



IS	Reverse leakage current	2.50E-07	Amps
N	Emission coefficient	46	
T	Temperature	25	C
RS	Diode series resistance	8	Ohm
TT	Transit time	100	nS
CJ0	Zero-bias junction capacitance	1.23	pF
VJ	Bulk junction potential	19.17	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	18000	Volts
IBV	Diode breakdown current	100	uAmps



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