

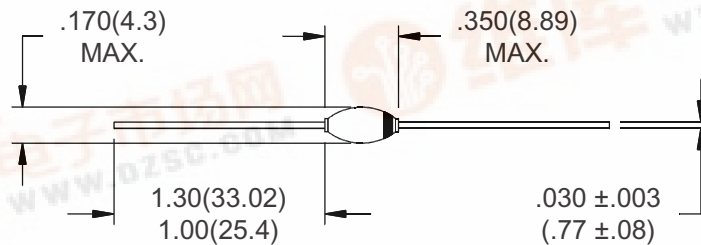
Spice Model



X200UFG



Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ Vrwm		Forward Voltage		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impedance			Junction Cap. @50VDC @ 1kHz (Cj)
	(Vrwm)	(Io)		(Ir)		(Vf)					J-L			
		55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	L=.000	L=.125	L=.250	25°C
	Volts	mAmps	mAmps	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
X200UFG	20000	25	13	1.0	20	30.0	50	2	0.5	100	5	12	21.5	2



Parameter	Description	Value	Units
IS	Reverse leakage current	2.50E-07	Amps
N	Emission coefficient	62	
T	Temperature	25	C
RS	Diode series resistance	9	Ohm
TT	Transit time	100	nS
CJ0	Zero-bias junction capacitance	1.01	pF
VJ	Bulk junction potential	23.44	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	22000	Volts
IBV	Diode breakdown current	100	uAmps



Voltage Multipliers, Inc.
8711 W. Roosevelt Ave.
Visalia, CA 93291

Tel (559) 651-1402
Fax (559) 651-0740
www.voltagemultipliers.com

