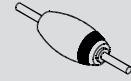


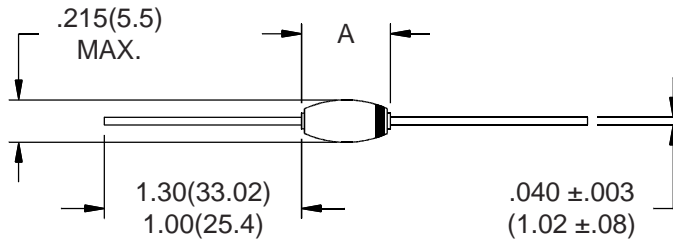
Spice Model



Z150UFG



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)
		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
	°C/W	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
Z150UFG	15000	0.30	0.15	1.0	25	22.0	0.3	10	2	100	3	6	12	5



Part	A
Z150UFG	.450(11.43) MAX

I_s	Reverse leakage current	5.0E-07	Amps
N	Emission coefficient	52	
T	Temperature	25	C
RS	Diode series resistance	1.5	Ohm
TT	Transit time	100	nS
C_{J0}	Zero-bias junction capacitance	5.99	pF
VJ	Bulk junction potential	21.33	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



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

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