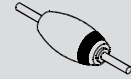


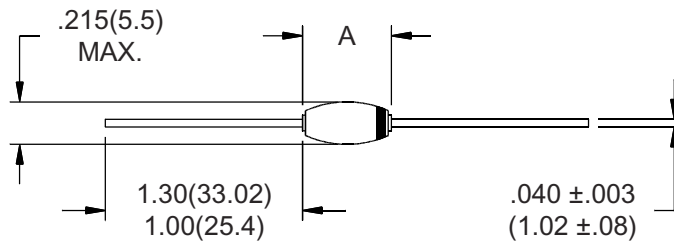
Spice Model



Z150UFG



Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ V _{rw}		Forward Voltage		1 Cycle Surge Current t _p =8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impedance			Junction Cap. @50VDC @ 1kHz (C _j)
	(V _{rw})	(I _o)		(I _r)		(V _f)		25°C	25°C	25°C	J-L			25°C
	°C/W	55°C(1) Amps	100°C(2) Amps	25°C µA	100°C µA	25°C 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

Parameter	Description	Value	Units
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



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