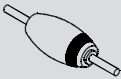


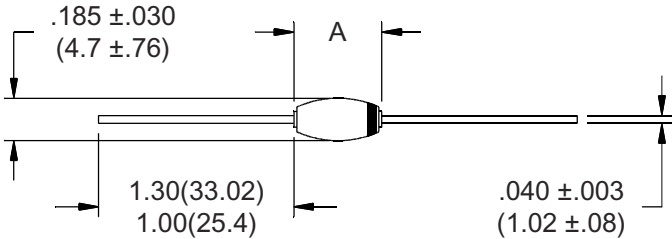
Spice Model



1N6515



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			
	Volts	55°C(1) Amps	100°C(2) Amps	25°C µA	100°C µA	25°C		25°C Amps	25°C Amps	25°C ns	L=.000 °C/W	L=.125 °C/W	L=.250 °C/W	25°C pF
1N6515	3000	1.50	1.00	1.0	25	6.0	1.50	60	10	70	3	6	12	20



Part	A
1N6513	.310(7.82) MAX. .250(7.6) MIN.
1N6515	.330(8.38) MAX. .270(6.85) MIN.
1N6517	.350(8.89) MAX. .290(7.37) MIN.
1N6519	.400(10.16) MAX. .340(8.64) MIN.

I _s	Reverse leakage current	5.0E-07	Amps
N	Emission coefficient	13.5	
T	Temperature	25	C
RS	Diode series resistance	0.18	Ohm
TT	Transit time	70	nS
C _{j0}	Zero-bias junction capacitance	35.24	pF
VJ	Bulk junction potential	3.29	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	3600	Volts
IBV	Diode breakdown current	100	uAmps



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