

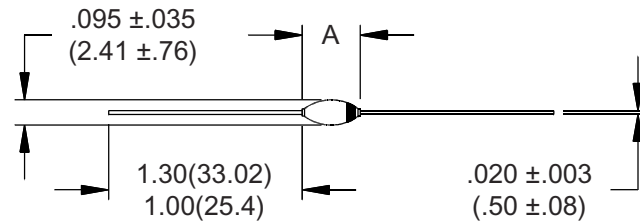
Spice Model



1N6531



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		25°C
		Amps	Amps	µA	µA	Volts	mA				Amps	Amps	ns		°C/W
1N6531	3000	0.100	0.050	0.1	10	7.0	25	8	1.25	70	18	30	50	2.0	



Part	A
1N6529	.200(5.08) MAX. .140(3.56) MIN.
1N6531	.220(5.59) MAX. .160(4.06) MIN.
1N6533	.240(6.10) MAX. .180(4.57) MIN.
1N6535	.300(7.62) MAX. .240(6.10) MIN.

IS	Reverse leakage current	1.00E-07	Amps
N	Emission coefficient	16.3	
T	Temperature	25	C
RS	Diode series resistance	1.37	Ohm
TT	Transit time	70	nS
CJ0	Zero-bias junction capacitance	1.92	pF
VJ	Bulk junction potential	6.21	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



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

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