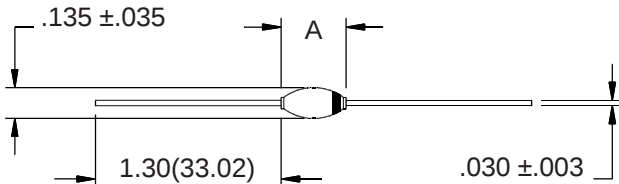


Spice Model										1N6525														
																								
Electrical Characteristics and Maximum Ratings																								
Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ V _{rw}		Forward Voltage		1 Cycle Surge Current t _p =8.3ms (I _{fsm})	Repetitive 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	θ _{J-L}			25°C										
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF										
1N6525	5000	0.150	0.075	0.5	20	7.0	0.15	10	2	70	5	12	21.5	3										
<table><tr><th>Part</th><th>A</th></tr><tr><td>1N6521</td><td>.220(5.59) MAX. .160(4.06) MIN.</td></tr><tr><td>1N6523</td><td>.240(6.10) MAX. .180(4.57) MIN.</td></tr><tr><td>1N6525</td><td>.260(6.60) MAX. .200(5.08) MIN.</td></tr><tr><td>1N6527</td><td>.320(8.13) MAX. .260(6.60) MIN.</td></tr></table>															Part	A	1N6521	.220(5.59) MAX. .160(4.06) MIN.	1N6523	.240(6.10) MAX. .180(4.57) MIN.	1N6525	.260(6.60) MAX. .200(5.08) MIN.	1N6527	.320(8.13) MAX. .260(6.60) MIN.
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Name				Parameter		Value		Units																
IS		Reverse leakage current		2.50E-07		Amps																		
N		Emission coefficient		20.4																				
T		Temperature		25		C																		
RS		Diode series resistance		0.9		Ohm																		
TT		Transit time		70		nS																		
CJ0		Zero-bias junction capacitance		3.10		pF																		
VJ		Bulk junction potential		6.73		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		6000		Volts																		
IBV		Diode breakdown current		100		uAmps																		
Dimensions: In. (mm) * All temperatures are ambient unless otherwise noted. * Data subject to change without notice.																								
				Voltage Multipliers, Inc. 8711 W. Roosevelt Ave. Visalia, CA 93291						Tel (559) 651-1402 Fax (559) 651-0740 www.voltagemultipliers.com														