

2,000 V - 10,000 V Rectifiers
25 mA - 250 mA Forward Current
70 ns Recovery Time

1N6529 1N6531
1N6533 1N6535

AXIAL LEADED
HERMETICALLY SEALED
MIL-PRF-19500/577



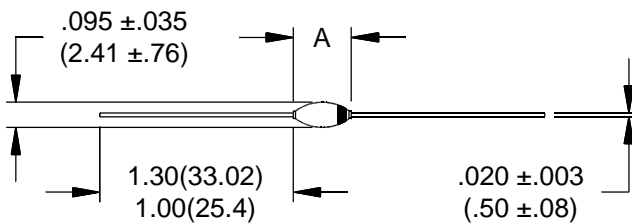
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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V _{rw})	Average Rectified Current (I _o)		Reverse Current @ V _{rw} (I _r)		Forward Voltage (V _f)		1 Cycle Surge Current t _p =8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impedance θ _{J-L}			Junction Cap. @50VDC @ 1kHz (C _j)
		55°C(1)	100°C(2)	25°C	100°C	25°C					L=000	L=.125	L=.250	
		Volts	Amps	Amps	µA	µA	Volts				mA	Amps	Amps	
1N6529	2000	0.250	0.125	0.1	10	3.0	25	10	1.50	70	18	30	50	4.0
1N6531	3000	0.100	0.050	0.1	10	7.0	25	8	1.25	70	18	30	50	2.0
1N6533	5000	0.050	0.025	0.1	10	9.0	25	4	0.75	70	18	30	50	1.0
1N6535	10000	0.025	0.012	0.1	10	14.0	25	2	0.38	70	18	30	50	0.5

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I_f=12.5mA, I_r=25mA, I_{rr}=6.3mA • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



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.



Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



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