

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



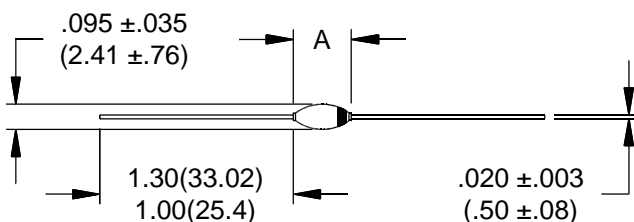
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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (Vrwm) Volts	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 θ_{J-L}			Junction Cap. @50VDC @ 1kHz (Cj) pF
		55°C(1)	100°C(2)	25°C	100°C	25°C					L=000	L=.125	L=.250	
		Amps	Amps	µA	µA	Volts	mA				°C/W	°C/W	°C/W	
1N6529 1N6531	2000 3000	0.250 0.100	0.125 0.050	0.1 0.1	10 10	3.0 7.0	25 25	10 8	1.50 1.25	70 70	18 18	30 30	50 50	4.0 2.0
1N6533 1N6535	5000 10000	0.050 0.025	0.025 0.012	0.1 0.1	10 10	9.0 14.0	25 25	4 2	0.75 0.38	70 70	18 18	30 30	50 50	1.0 0.5

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)If=12.5mA, Ir=25mA, Irr=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.



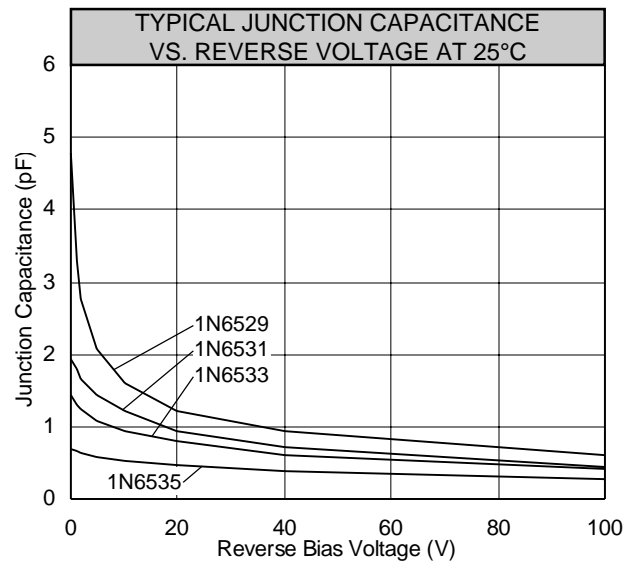
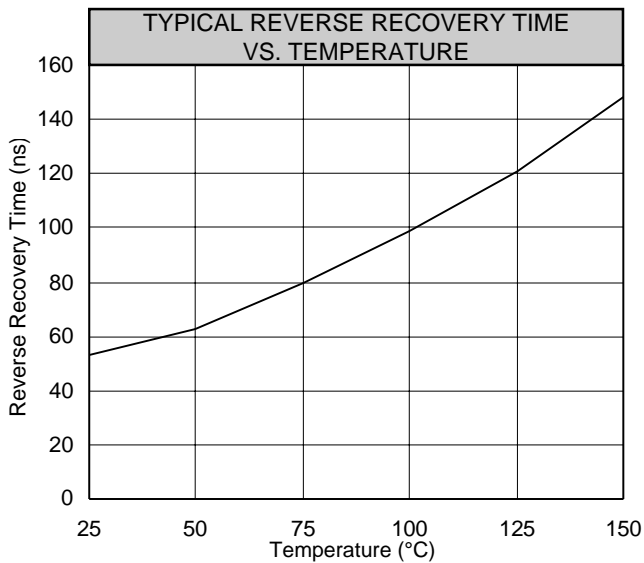
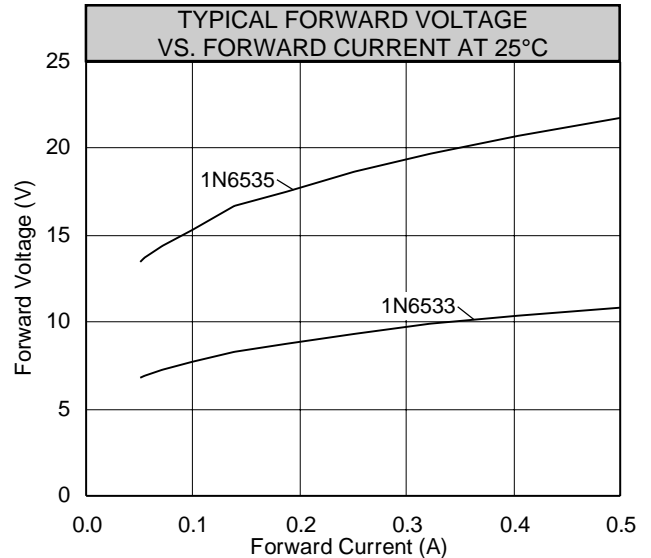
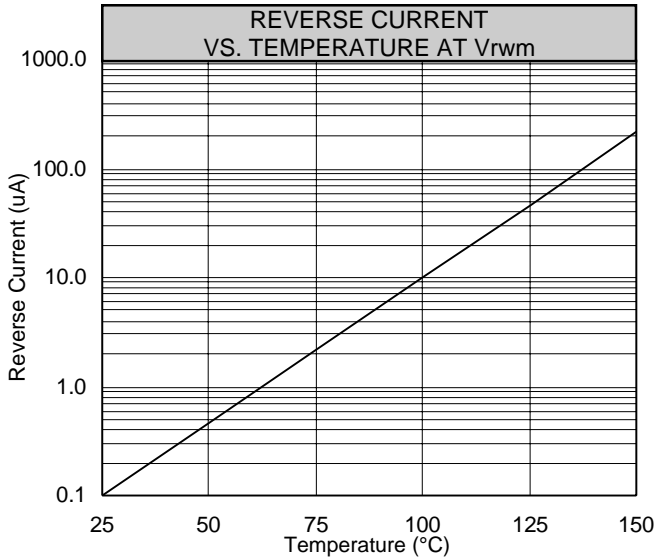
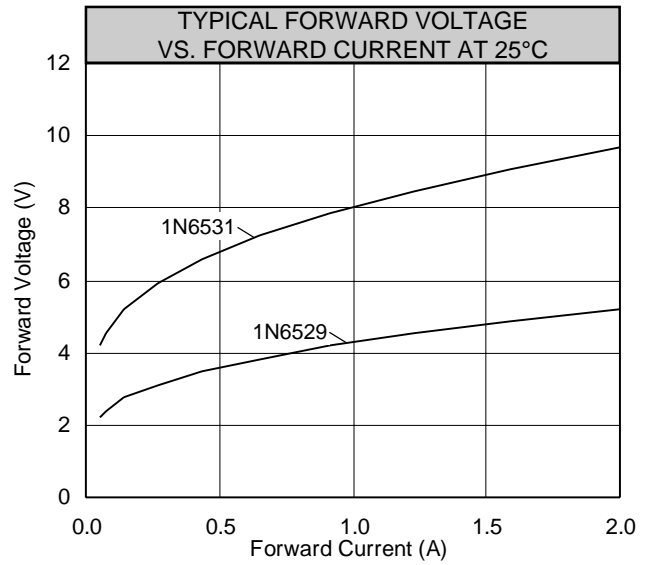
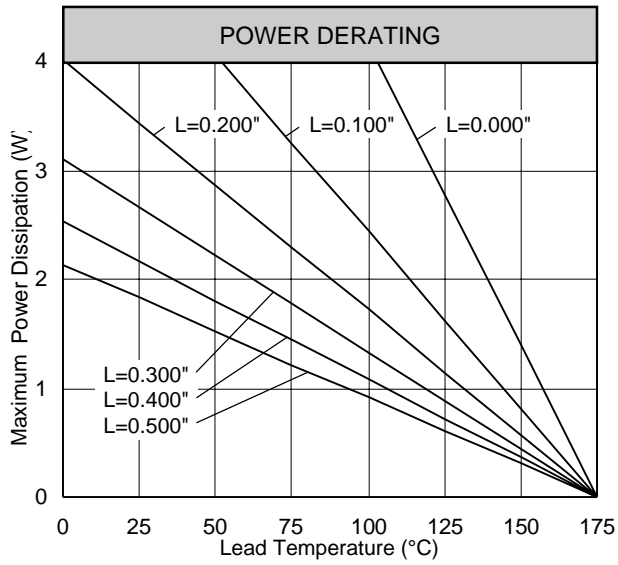
Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



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1N6529 1N6531 1N6533 1N6535



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