

# 200 V - 1,000 V Rectifiers

5.0 A Forward Current  
2000 ns Recovery Time

**1N5550 1N5551**  
**1N5552 1N5553**  
**1N5554**

AXIAL LEADED  
HERMETICALLY SEALED  
MIL-PRF-19500/420



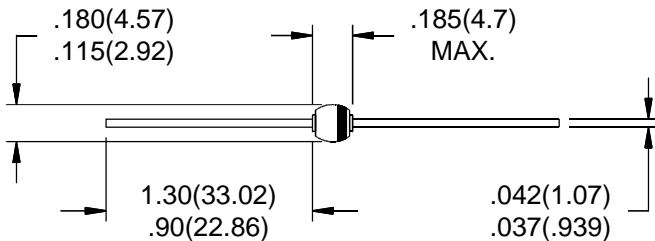
JAN JANTX JANTXV

**3**

## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V <sub>rw</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rw</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current t <sub>p</sub> =8.3ms (I <sub>fsm</sub> )	Repetitive Surge Current (I <sub>frm</sub> )	Reverse Recovery Time (3) (T <sub>rr</sub> )	Thermal Impedance θ <sub>J-L</sub>			Junction Cap. @50VDC @ 1kHz (C <sub>j</sub> )			
		55°C(1)	100°C(2)	25°C	100°C	25°C					25°C	25°C	25°C		L=.125	L=.375	L=.500
		Volts	Amps	Amps	µA	µA	Volts				Amps	Amps	Amps		ns	°C/W	°C/W
1N5550 1N5551	200 400	5.0 5.0	2.0 2.0	1.0 1.0	25 25	1.2 1.2	9.0 9.0	150 150	25 25	2000 2000	9 9	20 20	25 25	35 35			
1N5552 1N5553	600 800	5.0 5.0	2.0 2.0	1.0 1.0	25 25	1.2 1.3	9.0 9.0	150 150	25 25	2000 2000	9 9	20 20	25 25	35 35			
1N5554	1000	5.0	2.0	1.0	25	1.3	9.0	150	25	2000	9	20	25	35			

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I<sub>f</sub>=0.5A, I<sub>r</sub>=1.0A, I<sub>rr</sub>=0.25A • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



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



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