

**50 V - 600 V Rectifiers**  
**5.0 A Forward Current**  
**150 ns - 400 ns Recovery Time**

**1N5415 1N5416**  
**1N5417 1N5418**  
**1N5419 1N5420**

**AXIAL LEADED**  
**HERMETICALLY SEALED**  
**MIL-PRF-19500/411**



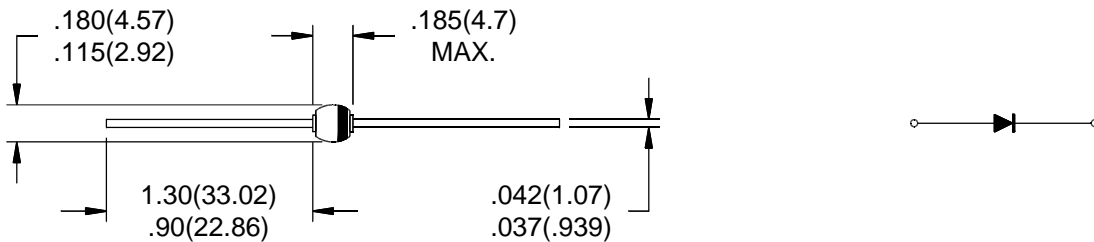
**3**

JAN JANTX JANTXV

**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	
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
1N5415	50	5.00	2.00	1.0	20	1.5	9.0	80	15	150	9	20	25	35
1N5416	100	5.00	2.00	1.0	20	1.5	9.0	80	15	150	9	20	25	35
1N5417	200	5.00	2.00	1.0	20	1.5	9.0	80	15	150	9	20	25	35
1N5418	400	5.00	2.00	1.0	20	1.5	9.0	80	15	150	9	20	25	35
1N5419	500	5.00	2.00	1.0	20	1.5	9.0	80	15	250	9	20	25	35
1N5420	600	5.00	2.00	1.0	20	1.5	9.0	80	15	400	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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