

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



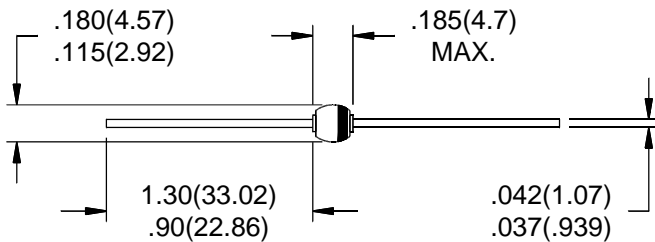
JAN JANTX JANTXV

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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					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
1N5415 1N5416	50 100	5.00 5.00	2.00 2.00	1.0 1.0	20 20	1.5 1.5	9.0 9.0	80 80	15 15	150 150	9 9	20 20	25 25	35 35			
1N5417 1N5418	200 400	5.00 5.00	2.00 2.00	1.0 1.0	20 20	1.5 1.5	9.0 9.0	80 80	15 15	150 150	9 9	20 20	25 25	35 35			
1N5419 1N5420	500 600	5.00 5.00	2.00 2.00	1.0 1.0	20 20	1.5 1.5	9.0 9.0	80 80	15 15	250 400	9 9	20 20	25 25	35 35			

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I_f=0.5A, I_r=1.0A, I_{rr}=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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