

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

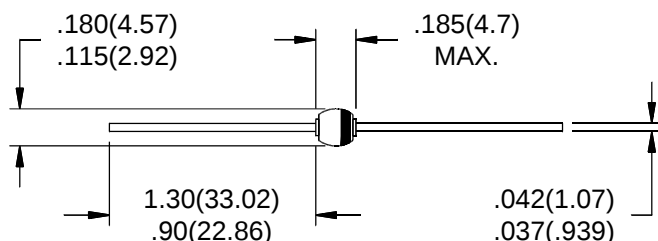


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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

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	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_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.



VOLTAGE MULTIPLIERS INC.
8711 W. Roosevelt Ave.
Visalia, CA 93291

TEL 559-651-1402
FAX 559-651-0740
www.voltagemultipliers.com

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