

2,000 V - 10,000 V Rectifiers

0.5 A - 2.0 A Forward Current

70 ns Recovery Time

1N6513 1N6515

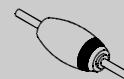
1N6517 1N6519

AXIAL LEADED

HERMETICALLY SEALED

MIL-PRF-19500/575

JANTX JANTXV

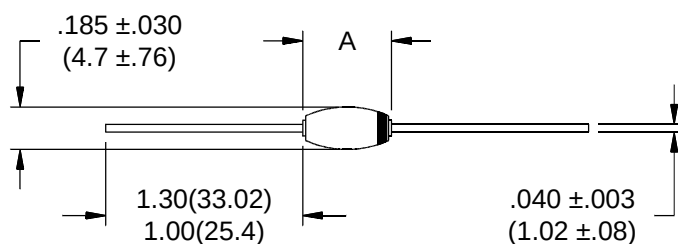


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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ Vrwm		Forward Voltage		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifsm)	Reverse Recovery Time (3) (Trr)	Thermal Impedance			Junction Cap. @50VDC @ 1kHz (Cj)
	(Vrwm)	(Io)		(Ir)		(Vf)		25°C	25°C	25°C	θ_{J-L}			25°C
	Volts	55°C(1) Amps	100°C(2) Amps	25°C µA	100°C µA	25°C Volts	25°C Amps	Amps	Amps	ns	L=000 °C/W	L=.125 °C/W	L=.250 °C/W	pF
1N6513	2000	2.00	1.50	1.0	25	3.5	2.0	100	15	70	3	6	12	25
1N6515	3000	1.50	1.00	1.0	25	6.0	1.5	60	10	70	3	6	12	20
1N6517	5000	1.00	0.50	1.0	25	8.0	1.0	40	8	70	3	6	12	16
1N6519	10000	0.50	0.25	1.0	25	13.0	0.5	25	5	70	3	6	12	8

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)If=0.5A, Ir=1.0A, Irr=0.25A • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



Part	A
1N6513	.310(7.82) MAX. .250(7.6) MIN.
1N6515	.330(8.38) MAX. .270(6.85) MIN.
1N6517	.350(8.89) MAX. .290(7.37) MIN.
1N6519	.400(10.16) MAX. .340(8.64) MIN.



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



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1N6513 1N6515 1N6517 1N6519

