

200 V - 1,000 V Rectifiers
1.5 A Forward Current
150 ns - 500 ns Recovery Time

1N5615 1N5617
1N5619 1N5621
1N5623

AXIAL LEADED
 HERMETICALLY SEALED
 MIL-PRF-19500/429



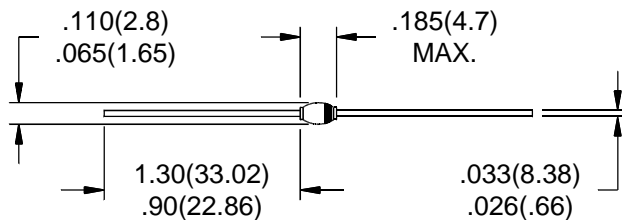
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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

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
1N5615 1N5617	200 400	1.50 1.50	0.75 0.75	0.5 0.5	25 25	1.6 1.6	3.00 3.00	25 25	6 6	150 150	18 18	38 38	45 45	16 16			
1N5619 1N5621	600 800	1.50 1.50	0.75 0.75	0.5 0.5	25 25	1.6 1.6	3.00 3.00	25 25	6 6	250 300	18 18	38 38	45 45	16 16			
1N5623	1000	1.50	0.75	0.5	25	1.6	3.00	25	6	500	18	38	45	16			

(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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