

2,000 V - 5,000 V Rectifiers

1.5 A - 3.5 A Forward Current

70 ns Recovery Time

1N6513LL

1N6515LL

1N6517LL

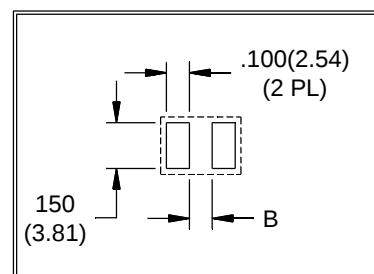
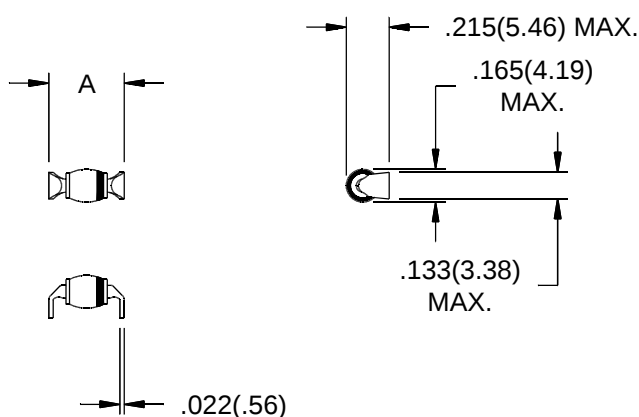
FORMED LEAD



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 (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impd. θ_{J-C}	Junction Cap. @50VDC @1kHz (Cj)
	(Vrwm)	(Io)		(Ir)		(Vf)						
	Volts	55°C(1) Amps	100°C(2) Amps	25°C μA	100°C μA	25°C Volts	25°C Amps	25°C Amps	25°C Amps	25°C ns	25°C °C/ W	25°C pF
1N6513LL	2000	3.5	2.4	1.0	25	3.5	2.0	100	15	70	5.0	25
1N6515LL	3000	2.5	1.5	1.0	25	6.0	1.5	60	10	70	5.0	20
1N6517LL	5000	1.5	1.0	1.0	25	8.0	1.0	40	8	70	5.0	16

(1)TC=55°C (2)TC=100°C (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	B
1N6513LL	.340(8.64) MAX.	.210(5.33)
1N6515LL	.360(9.14) MAX.	.230(5.84)
1N6517LL	.380(9.65) MAX.	.250(6.35)



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



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