

2,000 V - 5,000 V Rectifiers

0.75 A - 2.00 A Forward Current

30 ns - 50 ns Recovery Time

1N6836LL 1N6837LL

1N6838LL 1N6839LL

FORMED LEAD

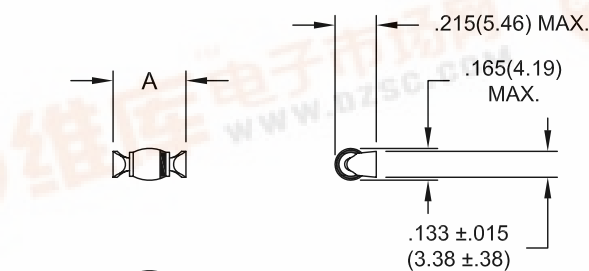
HERMETICALLY SEALED



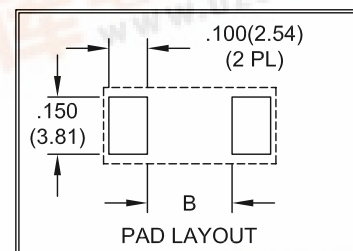
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (Vrwm)	Average Rectified Current (Io)		Reverse Current @ Vrwm (Ir)		Forward Voltage (Vf)		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)
		55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	25°C	25°C
		Amps	Amps	μA	μA	Volts	Amps	Amps	Amps	ns	°C / W	pF
1N6836LL	2000	1.50	1.00	1.0	25	6.00	1.00	40	5	30	5.0	20
1N6837LL	5000	0.75	0.50	1.0	25	12.0	0.50	20	4	30	5.0	16
1N6838LL	2000	2.00	1.50	1.0	25	4.50	1.50	60	10	50	5.0	20
1N6839LL	5000	1.00	0.60	1.0	25	10.0	0.60	30	6	50	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



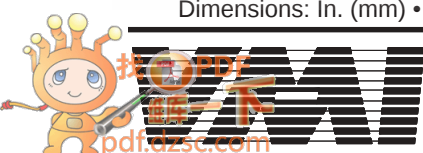
.022 ± .003
(.56 ± .08)
Dimension uncontrolled
in this area due to
solder fillet.



Part	A	B
1N6836LL	.350(8.89) MAX.	.220 (5.59)
1N6837LL	.390(9.91) MAX.	.260 (6.60)
1N6838LL	.350(8.89) MAX.	.220 (5.59)
1N6839LL	.390(9.91) MAX.	.260 (6.60)



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



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