

2,000 V - 5,000 V Rectifiers
0.5 A - 1.5 A Forward Current
30 ns - 50 ns Recovery Time

1N6836 1N6837
1N6838 1N6839

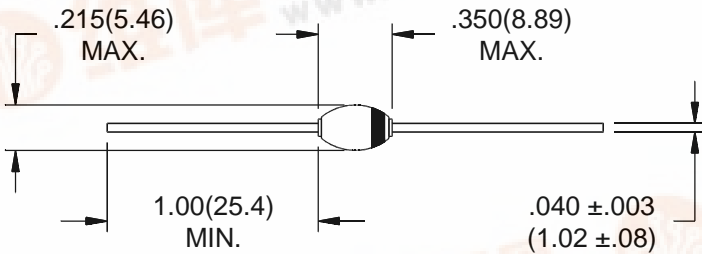
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ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

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=.000	L=.125	L=.250
		Amps	Amps	µA	µA	Volts	Amps				Amps	Amps	ns		°C/W	°C/W	°C/W
1N6836	2000	1.00	0.75	1.0	25	6.0	1.00	40.0	5.0	30	3	6	12	20			
1N6837	5000	0.50	0.25	1.0	25	12.0	0.50	20.0	4.0	30	3	6	12	16			
1N6838	2000	1.50	1.00	1.0	25	4.5	1.50	60.0	10.0	50	3	6	12	20			
1N6839	5000	0.60	0.50	1.0	25	10.0	0.60	30.0	6.0	50	3	6	12	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.



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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