

# 2,000 V - 5,000 V Rectifiers

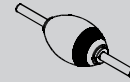
0.5 A - 1.5 A Forward Current

30 ns - 50 ns Recovery Time

1N6836 1N6837

1N6838 1N6839

AXIAL LEADED  
HERMETICALLY SEALED

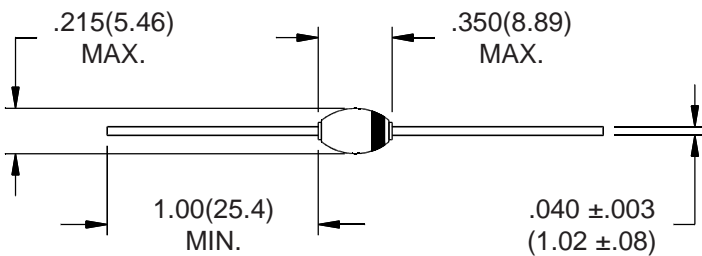


4

## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V <sub>rw</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rw</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current t <sub>p</sub> =8.3ms (I <sub>fsm</sub> )	Repetitive Surge Current (I <sub>frm</sub> )	Reverse Recovery Time (3) (T <sub>rr</sub> )	Thermal Impedance θ <sub>J-L</sub>			Junction Cap. @50VDC @ 1kHz (C <sub>j</sub> )
		55°C(1)	100°C(2)	25°C	100°C	25°C					25°C	25°C	25°C	
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
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<sub>f</sub>=0.5A, I<sub>r</sub>=1.0A, I<sub>rr</sub>=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

# 1N6836 1N6837 1N6838 1N6839

