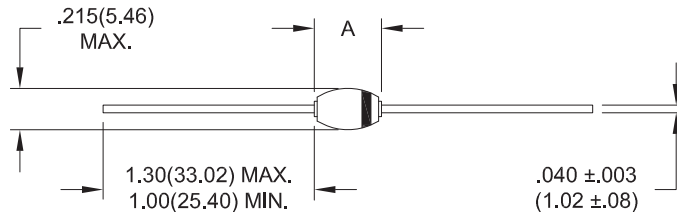


# High Voltage Diodes - Axial Lead

500mA - 1500mA • 30ns - 50ns • Hermetic

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	25°C	L=.000	L=.125	L=.250
	Volts	mA	mA	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
1N6837	5000	500	250	1.0	25	12.0	500	20.0	4.0	30	3	6	12	16.0
1N6838 1N6839	2000 5000	1500 600	1000 500	1.0 1.0	25 25	4.5 10.0	1500 600	60.0 30.0	10.0 6.0	50 50	3 3	6 6	12 12	20.0 16.0

(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



Part	A
1N6837	.350(8.89) MAX.
1N6838	
1N6839	

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



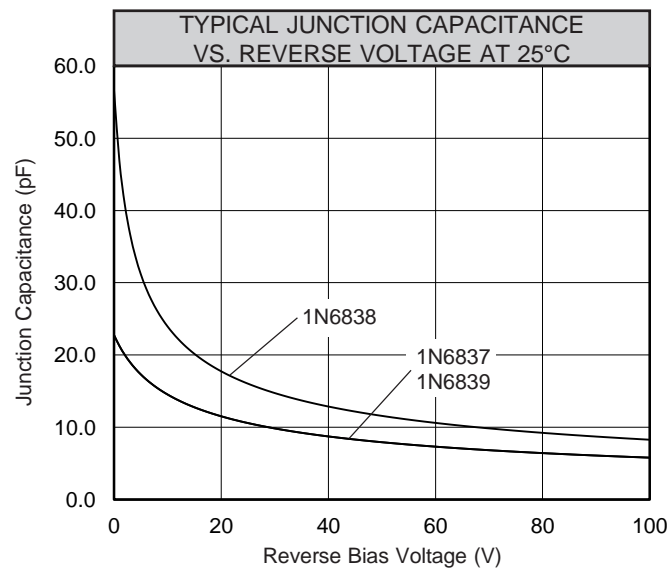
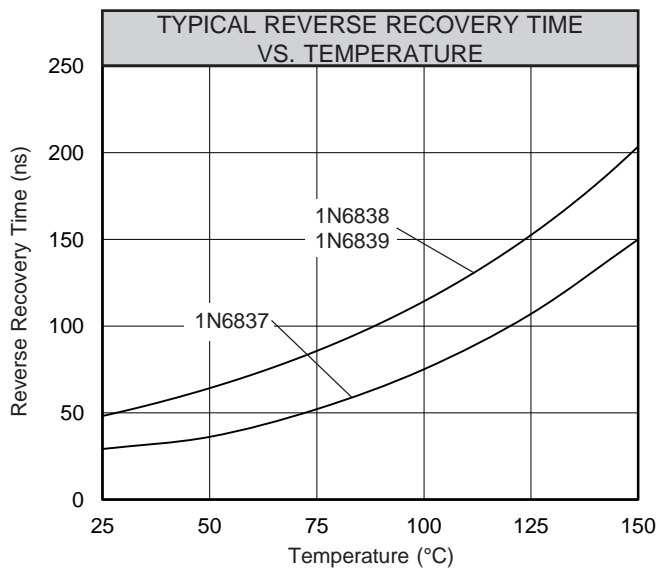
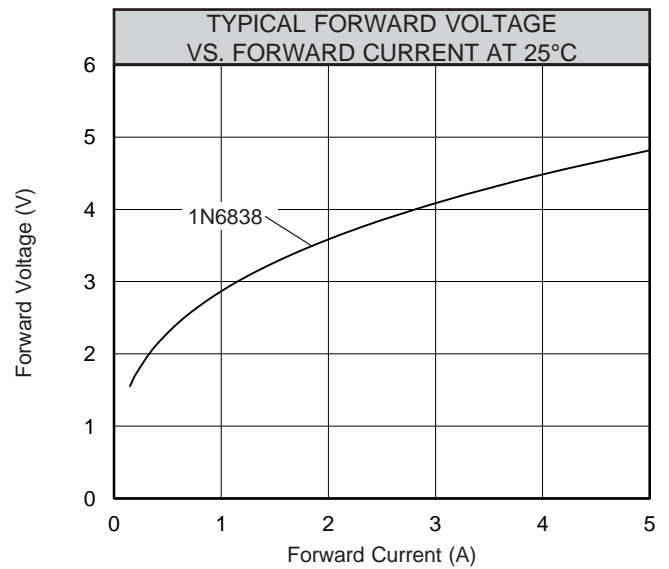
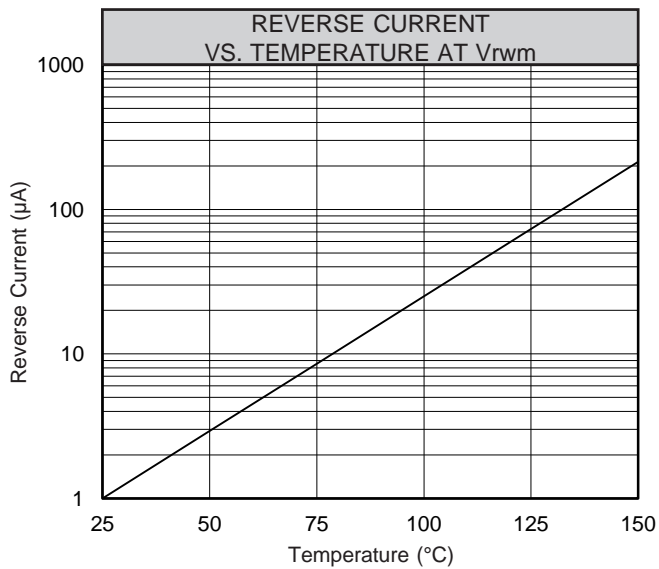
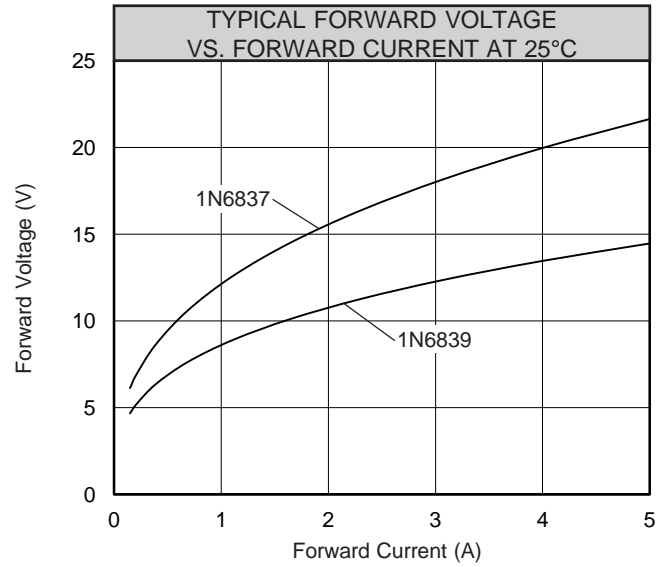
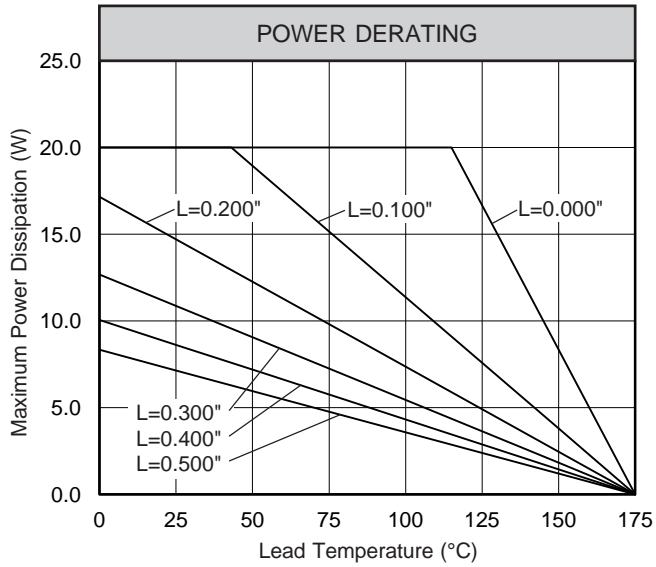
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# 1N6837 1N6838 1N6839



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