

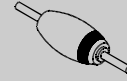
# 2,000 V - 10,000 V Rectifiers

180 mA - 1000 mA Forward Current

30 ns - 50 ns Recovery Time

**Z20FF3 Z20FF5**  
**Z50FF3 Z50FF5**  
**Z100FF3 Z100FF5**

AXIAL LEADED  
 HERMETICALLY SEALED

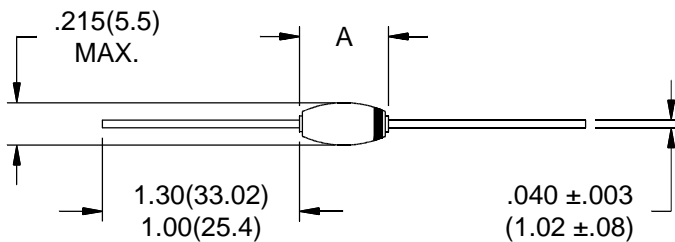


**4**

## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V <sub>rrm</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rrm</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					L=.000	L=.125	L=.250	
	Volts	mA	mA	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	25°C
Z20FF3	2000	1000	750	1.0	25	6.0	750	65.0	10.0	30	3	6	12.0	20.0
Z50FF3	5000	360	180	1.0	25	12.5	360	20.0	4.0	30	3	6	12.0	16.0
Z100FF3	10000	180	90	1.0	25	25.0	180	10.0	2.0	30	3	6	12.0	8.0
Z20FF5	2000	1000	750	1.0	25	6.0	750	65.0	10.0	50	3	6	12.0	20.0
Z50FF5	5000	360	180	1.0	25	12.5	360	20.0	4.0	50	3	6	12.0	16.0
Z100FF5	10000	180	90	1.0	25	25.0	180	10.0	2.0	50	3	6	12.0	8.0

(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
Z20FFX Z50FFX	.350(8.89) MAX.
Z100FFX	.400(10.16) MAX.



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

# Z20FF3 - Z100FF3 Z20FF5 - Z100FF5

