

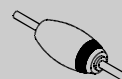
2,000 V - 10,000 V Rectifiers

180 mA - 1000 mA Forward Current

30 ns - 50 ns Recovery Time

Z20FF3 Z20FF5
Z50FF3 Z50FF5
Z100FF3 Z100FF5

AXIAL LEADED
 HERMETICALLY SEALED

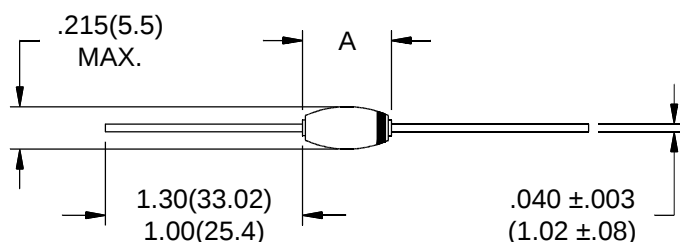


4

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (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 Impedance θ_{J-L}			Junction Cap. @50VDC @ 1kHz (Cj)
		55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	L=.000	L=.125	L=.250	25°C
	Volts	mA	mA	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
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)If=0.5A, Ir=1.0A, Irr=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

