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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

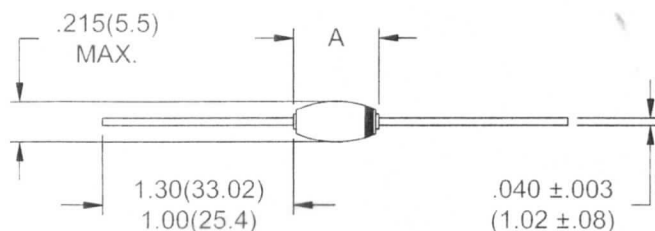
AXIAL LEADED
HERMETICALLY SEALED



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	25°C
	Volts	mA	mA	μ A	μ A	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) $I_f=0.5A$, $I_r=1.0A$, $I_{rr}=0.25A$ • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



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



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Quality Semi-Conductors

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