

High Voltage Diodes - Axial Lead

50mA - 420mA • 30ns - 50ns • Hermetic

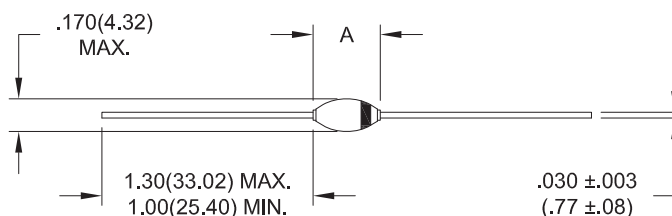
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

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	μA	μA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
X20FF3	2000	420	210	1.0	20	7.5	420	16.0	3.0	30	5	12	22	4.0
X50FF3	5000	150	75	1.0	20	12.5	150	10.0	1.0	30	5	12	22	3.0
X100FF3	10000	80	40	1.0	20	25.0	80	2.0	0.5	30	5	12	22	2.0
X150FF3	15000	50	25	1.0	20	37.5	50	1.6	0.3	30	5	12	22	2.0
X20FF5	2000	420	210	1.0	20	7.5	420	16.0	3.0	50	5	12	22	4.0
X50FF5	5000	150	75	1.0	20	12.5	150	10.0	1.0	50	5	12	22	3.0
X100FF5	10000	80	40	1.0	20	25.0	80	2.0	0.5	50	5	12	22	2.0
X150FF5	15000	50	25	1.0	20	37.5	50	1.6	0.3	50	5	12	22	2.0

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I_f=125mA, I_r=250mA, I_{rr}=63mA *Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



Part	A
X20FF(X)	.240(6.10) MAX.
X50FF(X)	.260(6.60) MAX.
X100FF(X)	.320(8.13) MAX.
X150FF(X)	.360(9.14) MAX.



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



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X20FF3/5 X50FF3/5 X100FF3/5 X150FF3/5

