

# H. V. Controlled Avalanche Rectifiers - Axial Lead

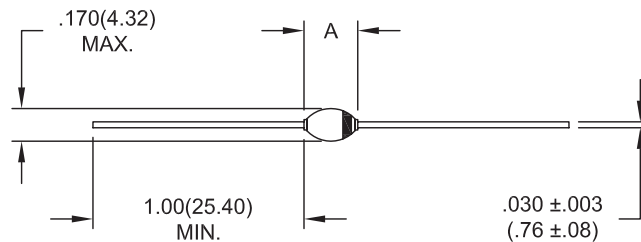
0.050A - 0.20A • 30ns - 3000ns

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS																
Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ Vrwm		Forward Voltage		1 Cycle Surge Current tp = 8.3ms	Repetitive Surge Current	Reverse Recovery Time (3)	Thermal Impedance			Junction Cap. @ 50VDC @ 1KHZ	Non - Repetitive Peak Review Avalanche Energy (Ersm)	
		(Vrwm)	(Io)		(Ir)		(Vf)		(Ifsm)	(Ifm)	(Trr)	$\theta_{J-L}$			(Cj)	
		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	25°C	25°C
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF	mJ	
XR25FF3	2500	0.200	0.100	0.5	20	10.0	0.200	18.00	1.50	30	5	12	21.5	4.0	30	
XR50FF3	5000	0.100	0.050	0.5	20	16.0	0.100	9.00	0.75	30	5	12	21.5	3.0	60	
XR100FF3	10000	0.050	0.025	0.5	20	32.0	0.050	4.50	0.30	30	5	12	21.5	2.0	120	
XR25FF5	2500	0.200	0.100	0.5	20	10.0	0.200	15.0	1.50	50	5	12	21.5	4.0	30	
XR50FF5	5000	0.100	0.050	0.5	20	16.0	0.100	7.50	0.75	50	5	12	21.5	3.0	60	
XR100FF5	10000	0.050	0.025	0.5	20	32.0	0.050	3.75	0.40	50	5	12	21.5	2.0	120	
XR25UFG	2500	0.200	0.100	0.5	20	8.0	0.200	15.0	3.00	70	5	12	21.5	4.0	30	
XR50UFG	5000	0.100	0.050	0.5	20	14.0	0.100	7.50	1.50	70	5	12	21.5	3.0	60	
XR100UFG	10000	0.050	0.025	0.5	20	25.0	0.050	3.75	0.75	70	5	12	21.5	2.0	120	
XR25SG	2500	0.200	0.100	0.5	20	6.00	0.200	15.0	3.00	3000	5	12	21.5	4.0	30	
XR50SG	5000	0.100	0.050	0.5	20	10.0	0.100	7.50	1.50	3000	5	12	21.5	3.0	60	
XR100SG	10000	0.050	0.025	0.5	20	20.0	0.050	3.75	0.75	3000	5	12	21.5	2.0	120	

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)If=125mA, Ir=250mA, Irr=63mA \*Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



Part	A
XR25(XXX)	.240(6.10) MAX.
XR50(XXX)	.280(7.11) MAX.
XR100(XXX)	.360(9.14) MAX.



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



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