

# H. V. Controlled Avalanche Rectifiers - Axial Lead

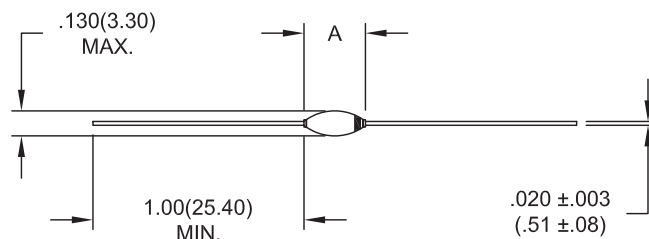
0.015A - 0.060A • 30ns - 3000ns

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS															
Part Number	Working Reverse Voltage (V <sub>rw</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rw</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current tp = 8.3ms (I <sub>fsm</sub> )	Repetitive Surge Current (I <sub>frm</sub> )	Reverse Recovery Time (T <sub>rr</sub> )	Thermal Impedance $\theta_{J-L}$			Junction Cap. @ 50VDC @ 1kHz (C <sub>j</sub> )	Non - Repetitive Peak Reverse Avalanche Energy (E <sub>rs</sub> )
		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
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF	mJ
MR25FF3	2500	0.060	0.030	0.1	10	10.0	0.060	3.00	0.60	30	18	30	50	2.0	10
MR50FF3	5000	0.030	0.015	0.1	10	16.0	0.030	1.50	0.30	30	18	30	50	1.0	25
MR100FF3	10000	0.015	0.008	0.1	10	32.0	0.015	0.75	0.15	30	18	30	50	0.5	50
MR25FF5	2500	0.060	0.030	0.1	10	10.0	0.060	3.00	0.60	50	18	30	50	2.0	10
MR50FF5	5000	0.030	0.015	0.1	10	16.0	0.030	1.50	0.30	50	18	30	50	1.0	25
MR100FF5	10000	0.015	0.008	0.1	10	32.0	0.015	0.75	0.15	50	18	30	50	0.5	50
MR25UFG	2500	0.080	0.040	0.1	10	8.0	0.080	8.00	1.20	70	18	30	50	2.0	10
MR50UFG	5000	0.040	0.020	0.1	10	14.0	0.040	3.00	0.60	70	18	30	50	1.0	25
MR100UFG	10000	0.020	0.010	0.1	10	25.0	0.020	1.50	0.30	70	18	30	50	0.5	50
MR25SG	2500	0.080	0.040	0.1	10	6.0	0.080	6.00	1.20	3000	18	30	50	2.0	10
MR50SG	5000	0.040	0.020	0.1	10	10.0	0.040	3.00	0.60	3000	18	30	50	1.0	25
MR100SG	10000	0.020	0.010	0.1	10	20.0	0.020	1.50	0.30	3000	18	30	50	0.5	50

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I<sub>f</sub>=12.5mA, I<sub>r</sub>=25mA, I<sub>rr</sub>=6.3mA \*Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C



Part	A
MR25(XXX)	.220(5.59) MAX.
MR50(XXX)	.260(6.60) MAX.
MR100(XXX)	.340(8.64) MAX.



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



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