

H. V. Controlled Avalanche Rectifiers - Axial Lead

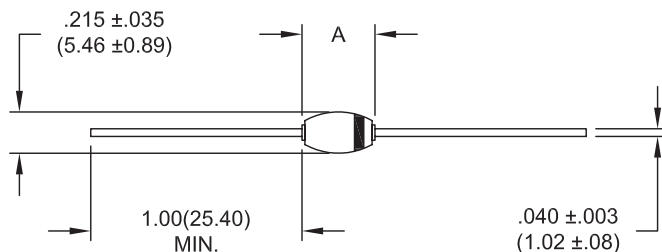
0.15A - 1.50A • 30ns - 3000ns

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS															
Part Number	Working Reverse Voltage (V _{rwm})	Average Rectified Current (I _o)		Reverse Current @ V _{rwm} (I _r)		Forward Voltage (V _f)		1 Cycle Surge Current tp = 8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (T _{rr})	Thermal Impedance θ _{J-L}			Junction Cap. @ 50VDC @ 1kHz (C _j)	Non - Repetitive Peak Reverse Avalanche Energy (E _{rs})
		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
ZR25FF3	2500	0.60	0.30	1.0	25	10.0	0.60	36	7.00	30	3	6	12.0	20	100
ZR50FF3	5000	0.30	0.15	1.0	25	16.0	0.30	18	3.50	30	3	6	12.0	16	200
ZR100FF3	10000	0.15	0.08	1.0	25	32.0	0.15	9	1.80	30	3	6	12.0	8	400
ZR25FF5	2500	0.60	0.30	1.0	25	10.0	0.60	30	6.00	50	3	6	12.0	20	100
ZR50FF5	5000	0.30	0.15	1.0	25	16.0	0.30	15	3.00	50	3	6	12.0	16	200
ZR100FF5	10000	0.15	0.08	1.0	25	32.0	0.15	7.50	1.50	50	3	6	12.0	8	400
ZR25UFG	2500	1.50	1.00	1.0	25	8.0	1.50	60	12.0	70	3	6	12.0	20	100
ZR50UFG	5000	0.75	0.40	1.0	25	14.0	0.75	30	6.00	70	3	6	12.0	16	200
ZR100UFG	10000	0.40	0.20	1.0	25	25.0	0.40	15	3.00	70	3	6	12.0	8	400
ZR25SG	2500	1.50	1.00	1.0	25	7.0	1.50	60	12.0	3000	3	6	12.0	20	100
ZR50SG	5000	0.75	0.40	1.0	25	12.0	0.75	30	6.00	3000	3	6	12.0	16	200
ZR100SG	10000	0.40	0.20	1.0	25	22.0	0.40	15	3.00	3000	3	6	12.0	8	400

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I_f=0.5A, I_r=1.0mA, I_{rr}=0.25A *Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



Part	A
ZR25(XXX)	.300(7.62) MAX.
ZR50(XXX)	.340(8.64) MAX.
ZR100(XXX)	.420(10.67) MAX.



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



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