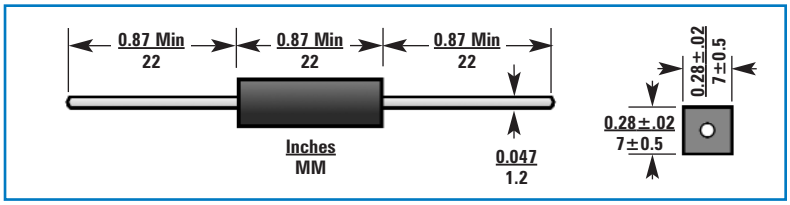
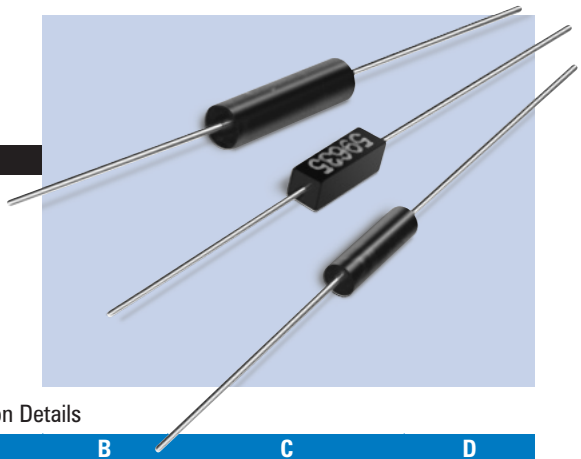
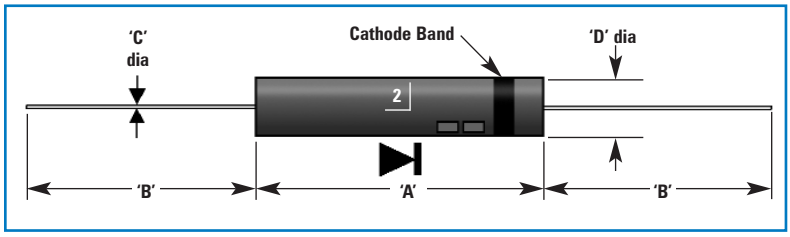
High Voltage Power Diodes Standard and Ultra-Fast Recovery



HVCA Number	Repetitive Peak Reverse V_{RRM} V(Volts)	Avg. Forward Current Max. I_{FAVM}@55°C mA (milliAmps)	Max. Forward Voltage Drop V_F@I_F V(Volts)	Max. Reverse Current I_R@V_{RRM}@25°C µA (microAmps)	Max. Surge Current I_{FSM} (8.3ms) A (Amps)
UX–Fast Recovery 50 nsec High Current Diode					
UX-FOB	8000	500	14.0	0.5	20
HVR-1X–Standard Recovery High Current Diodes					
HVR-1X-40A	10000	500	10.0	0.3	30
HVR-1X-30B	12000	500	11.0	0.3	30



Medium Power High Voltage Silicon Diodes



Dimension Details

A		B		C				D	
Maximum		Minimum		Minimum		Maximum		Maximum	
Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
0.60	15.24	0.60	15.24	0.028	0.71	0.032	0.81	0.170	4.30

Specifications

HVCA Number	Repetitive Peak Reverse Voltage V_{RRM} V(Volts)	Average Forward Current Maximum I_{FAVM}@ T_A=40°C A (Amps)	T_{OIL}=55°C A (Amps)	Maximum Single Cycle Surge Current I_{FSM} A (Amps)	Maximum Forward Voltage Drop V_F@T_A=25°C & 100ma V (Volts)	Maximum Reverse Current I_R@V_{RRM} T_A=25°C µAmps	T_A=100°C µAmps	Maximum Reverse Recovery Time@ T_A=25°C T_{rr} (nsec)	Maximum Virtual Junction Capacit. C_J@T_A=25°C V_{RRM}=0 F=1Mhz Picofarads
2CL2F	8,000	0.10	0.22	20	10.0	2.0	40	-	15
2CL2G	10,000	0.10	0.22	20	12.0	2.0	40	-	15
2CL2H	12,000	0.10	0.22	20	13.0	2.0	40	-	15
2CL2J	15,000	0.10	0.22	20	16.0	2.0	40	-	15
2CL2FF	8,000	0.06	0.12	10	16.0	2.0	50	150	15
2CL2FG	10,000	0.06	0.12	10	18.0	2.0	50	150	15
2CL2FH	12,000	0.06	0.12	10	20.0	2.0	50	150	15
2CL2FJ	15,000	0.06	0.12	10	24.0	2.0	50	150	15
2CL2FK	10,000	0.10	0.22	10	22.0	2.0	50	100	15
2CL2FL	15,000	0.10	0.22	10	26.0	2.0	50	100	15
2CL2FM	20,000	0.10	0.22	10	35.0	2.0	50	100	15