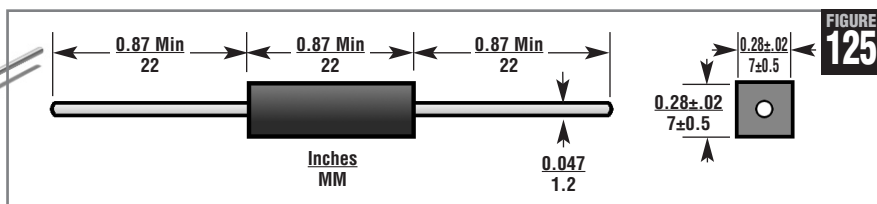
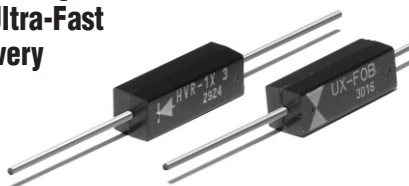


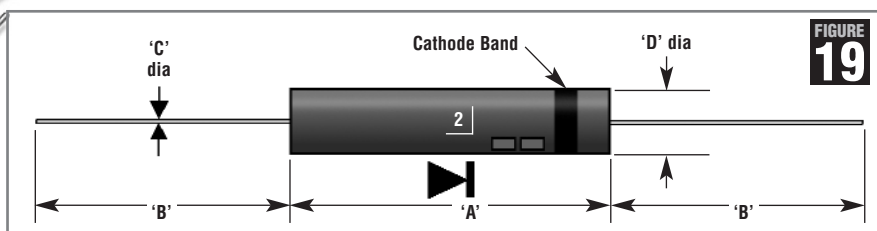
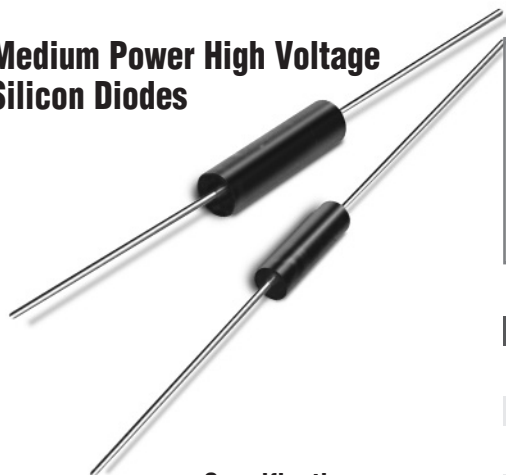


High Voltage Power Diodes Standard and Ultra-Fast Recovery



HVCA Number	Repetitive Peak Reverse Voltage V_{RRM} (Volts)	Avg. Forward Current Max. $I_{FAVM@55^{\circ}C}$ mA (milliAmps)	Max. Forward Voltage Drop $V_F@I_F$ (Volts)	Max. Reverse Recovery Time T_{rr} (nsec)	Max. Reverse Current $I_R@V_{RRM@25^{\circ}C}$ μ A (microAmps)	Max. Surge Current I_{FSM} (8.3ms) A (Amps)
UX-Fast Recovery High Current Diode Figure 125						
UX-FOB	8000	500	12.0	40	0.5	20
HVR-1X-Standard Recovery High Current Diodes Figure 125						
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		
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} (Volts)	Average Forward Current Maximum $I_{FAVM@}$		Maximum Single Cycle Surge Current I_{FSM} A (Amps)	Maximum Forward Voltage Drop $V_F@T_A=25^{\circ}C$ & 100ma V (Volts)	Maximum Reverse Current $I_R@V_{RRM}$		Maximum Reverse Recovery Time@ $T_A=25^{\circ}C$ T_{rr} (nsec)	Maximum Virtual Junction Capacit. $C_j@T_A=25^{\circ}C$ $V_{RRM}=0$ F=1Mhz Picofarads	
		$T_A=40^{\circ}C$ A (Amps)	$T_{OIL}=55^{\circ}C$ A (Amps)			$T_A=25^{\circ}C$ μ Amps	$T_A=100^{\circ}C$ μ Amps			
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	
High Current Version										
HV37-08	8,000	0.21	0.41	15	12.0	2.0	50	150	15	

DIODES