



HV7 SERIES

8 to 20kV, 100 to 225mA, 50nS to Standard Recovery
Axial Lead Power Diodes



Features

- Medium Power
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

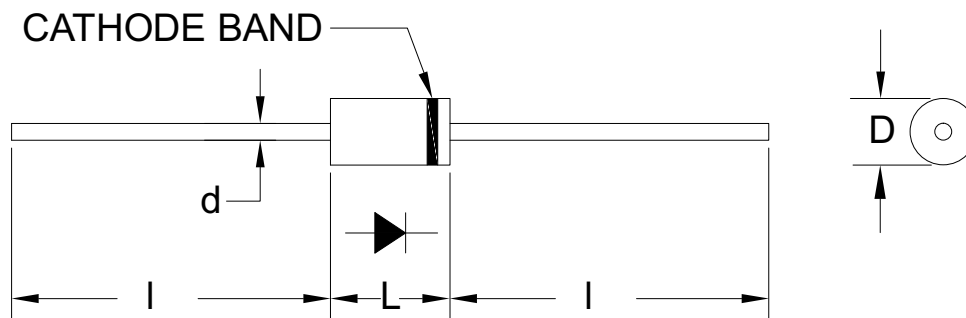
Specifications¹

Part Number	V _{RRM} V	I _{FAVM1} mA	I _{FAVM2} mA	V _F V	I _{R1} μA	I _{R2} μA	I _{FSM} A	C _J pF	T _{RR} nS	L in.	D in.	d in.	l in.
HV37-08	8000	210	410	12.0	2	10	15	7.4	150	0.60	0.17	0.032	0.94
HV37-08F	8000	210	410	14.5	2	10	15	4.7	50	0.60	0.17	0.032	0.94
HV37-10	10000	190	365	13.0	2	10	15	6.0	150	0.60	0.17	0.032	0.94
HV37-10F	10000	190	365	17.0	2	10	15	5.0	65	0.60	0.17	0.032	0.94
HV37-12	12000	170	340	15.0	2	10	15	5.0	150	0.60	0.17	0.032	0.94
HV37-12F	12000	170	340	19.5	2	10	15	5.0	65	0.60	0.17	0.032	0.94
HV37-15	15000	150	300	20.0	2	10	15	3.5	150	0.60	0.17	0.032	0.94
HV37-15F	15000	150	300	24.5	2	10	15	3.5	65	0.60	0.17	0.032	0.94
HV37-20	20000	100	220	26.0	2	10	15	3.0	150	0.60	0.17	0.032	0.94
HV37-20F	20000	100	220	32.0	2	10	15	3.0	65	0.60	0.17	0.032	0.94
HV07-12B	12000	225	500	11.0	2	10	30	-	-	0.60	0.17	0.032	0.94

Temperature °C	
Operating Temperature	-55 to 125
Storage Temperature	-55 to 175
Maximum Junction Temperature	125

¹25°C ambient temperature unless stated otherwise.

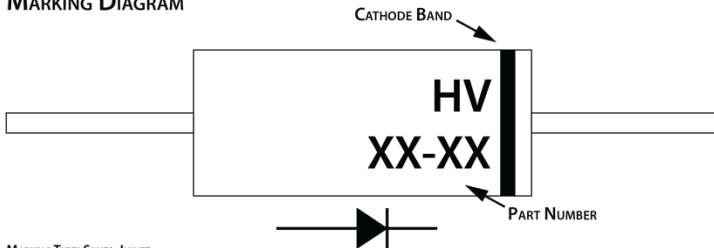
Drawings



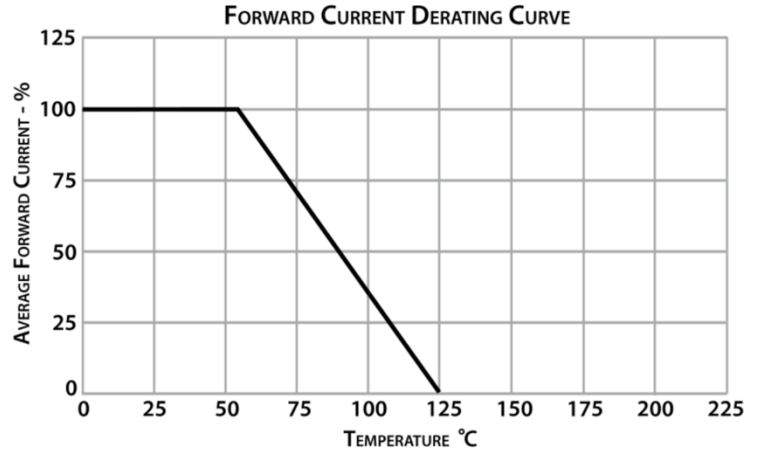
Dimensions in inches, tolerances ±0.020 except as noted



MARKING DIAGRAM



MARKING TYPE: SILVER, INKJET
(MARKINGS WILL WRAP ENTIRE BODY OF DIODE AND ARE SUBJECT TO MINOR CHANGES)



Specification Definitions

Specifications		Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
I_{FAVM}	Maximum Average Forward Current	At T _A = 40°C, In Air
I_{FAVM}	Maximum Average Forward Current	At T _A = 55°C, In Oil
V_F	Maximum Forward Voltage Drop	At 100mA
I_{R1}	Maximum Leakage Current	At V _{RRM}
I_{R2}	Maximum Leakage Current	At V _{RRM} , 100°C
I_{FSM}	Maximum Surge Current	At 8.3mS, Single Half Sine
C_J	Typical Junction Capacitance	At V _R = 0VDC, f = 1MHz
T_{RR}	Maximum Reverse Recovery Time	I _F = 0.5 I _{FAVM1} ; I _R = -I _{FAVM1} ; I _{RR} = -0.25 I _{FAVM1}

Note: Specifications subject to change without notice. Photo is representation only.

