



HL SERIES

3 to 12kV, 40mA, 100nS
Axial Lead Low Current Diodes



Features

- Miniature Package
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

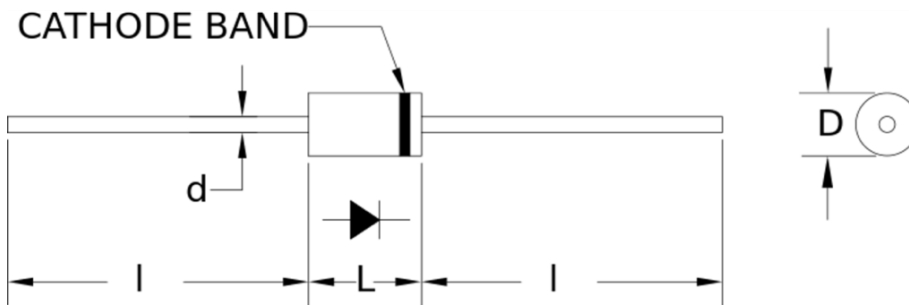
Specifications¹

Part Number	V _{RRM} V	I _{FAVM} mA	V _F V	I _R μA	I _{FSM} A	C _J pF	T _{RR} nS	L in.	D in.	d in.	l in.
HL300	3000	40	29.5	1	3	0.3	100	0.4	0.12	0.025	1.0
HL500	5000	40	29.5	1	3	0.3	100	0.4	0.12	0.025	1.0
HL800	8000	40	29.5	1	3	0.3	100	0.4	0.12	0.025	1.0
HL1000	10000	40	29.5	1	3	0.3	100	0.4	0.12	0.025	1.0
HL1200	12000	40	31.0	1	3	0.3	100	0.4	0.12	0.025	1.0

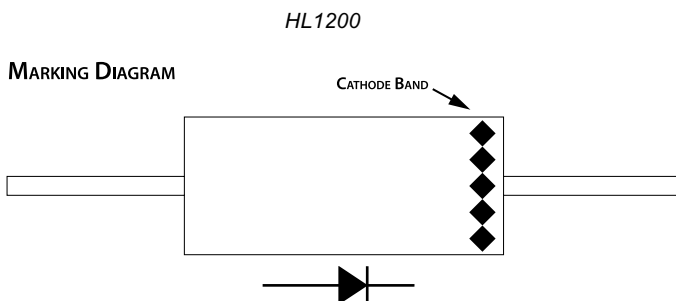
Temperature °C	
Operating Temperature	-55 to 125
Storage Temperature	-55 to 175
Maximum Junction Temperature	125

¹25°C ambient temperature unless stated otherwise.

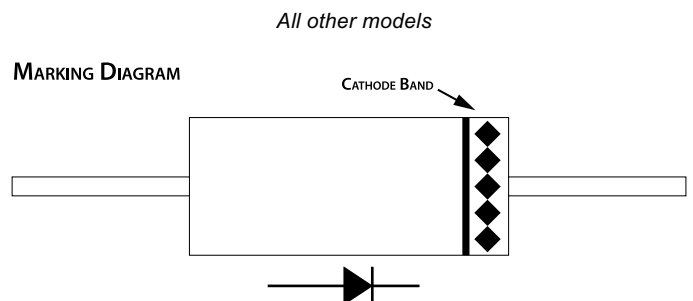
Drawings



Dimensions in inches, tolerances ±0.020 except as noted



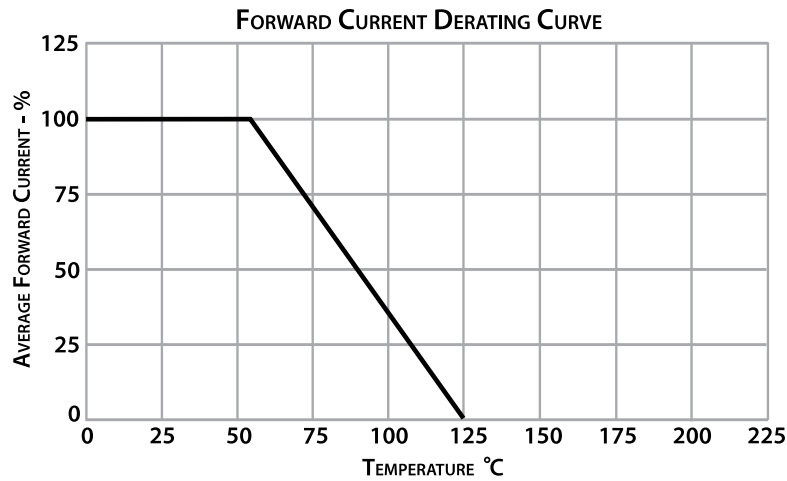
MARKING TYPE: BLUE, INKJET
(MARKINGS WILL WRAP ENTIRE BODY OF DIODE AND ARE SUBJECT TO MINOR CHANGES)



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Specification Definitions

Specifications		Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
I_{FAVM}	Maximum Average Forward Current	At T _A = 55°C
V_F	Maximum Forward Voltage Drop	At I _{FAVM}
I_R	Maximum Leakage Current	At V _{RRM}
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 = 40mA; I _R = -80mA; I _{RR} = -20mA

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

