HL SERIES

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

Features

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

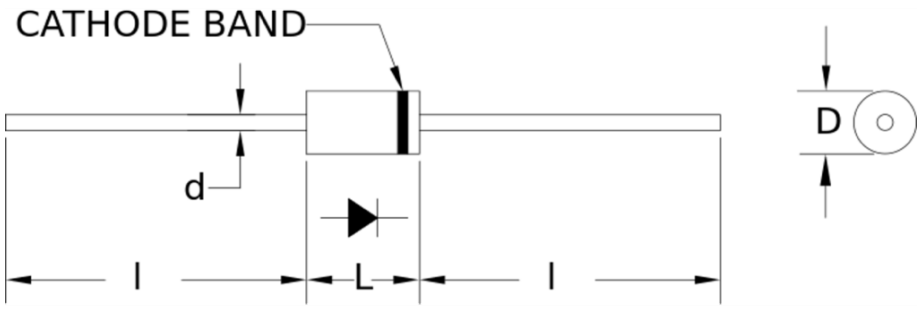
Specifications[1]

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

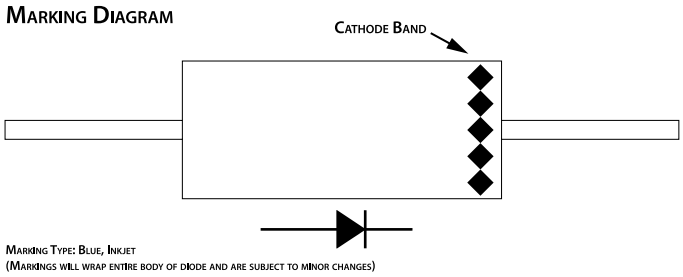
[1]25°C ambient temperature unless stated otherwise.

Drawings

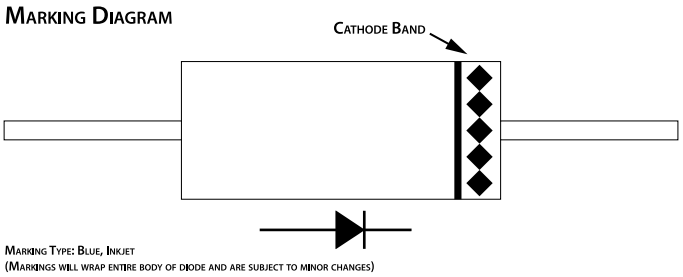


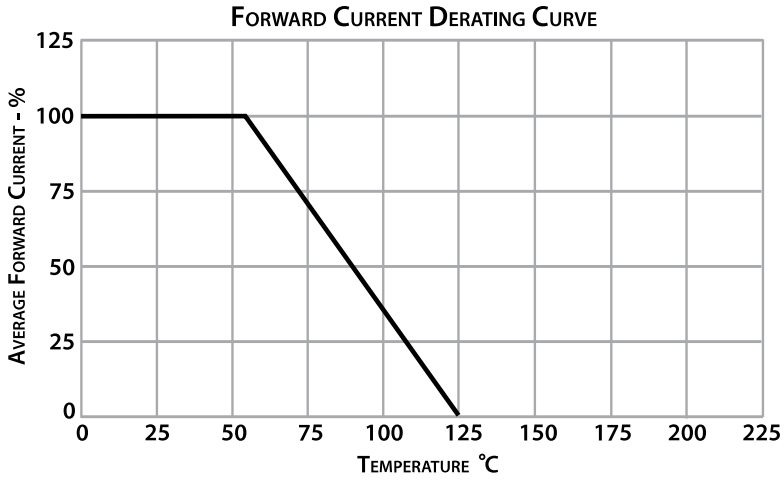
Dimensions in inches, tolerances ±0.020 except as noted

HL1200



All other models





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.

RoHS COMPLIANT