CL03 SERIES

8 to 30kV, 120 to 400mA, 65 to 100nS
Axial Lead Power Diodes

Features

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

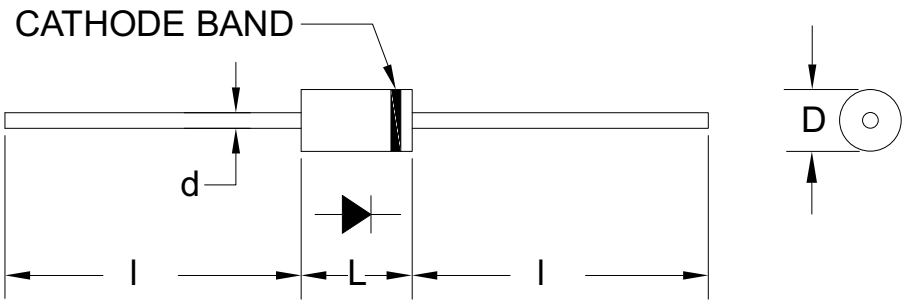
Specifications[1]

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.
CL03-08	8000	400	17.0	2	20	6.2	100	0.87	0.30	0.05	0.94
CL03-08F	8000	350	19.0	2	20	6.2	65	0.87	0.30	0.05	0.94
CL03-10	10000	300	18.0	2	20	5.3	100	0.87	0.30	0.05	0.94
CL03-10F	10000	250	21.0	2	20	5.3	65	0.87	0.30	0.05	0.94
CL03-12	12000	250	21.0	2	20	4.4	100	0.87	0.30	0.05	0.94
CL03-12F	12000	200	23.0	2	20	4.4	65	0.87	0.30	0.05	0.94
CL03-15	15000	200	23.0	2	20	3.5	100	0.87	0.30	0.05	0.94
CL03-15F	15000	150	26.5	2	20	3.5	65	0.87	0.30	0.05	0.94
CL03-20	20000	120	30.0	2	20	2.8	100	0.87	0.30	0.05	0.94
CL03-25	25000	120	34.0	2	20	2.4	100	0.87	0.30	0.05	0.94
CL03-30	30000	120	38.0	2	20	5.5	100	0.87	0.30	0.05	0.94

Temperature °C	
Operating Temperature	-55 to 125 *(CL03-25, CL03-30)* -55 to 150 *(All other models)*
Storage Temperature	-55 to 175
Maximum Junction Temperature	125 *(CL03-25, CL03-30)* 150 *(All other models)*

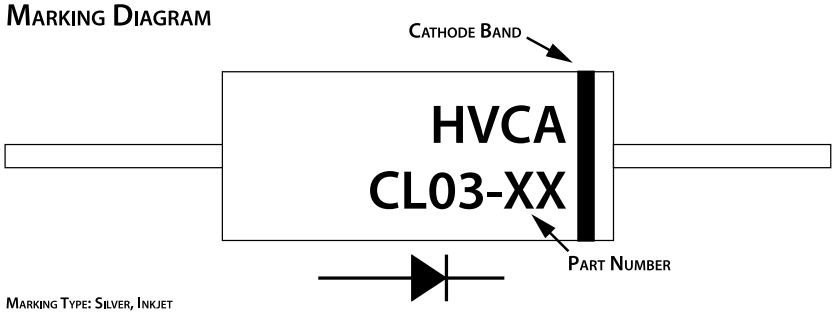
[1]25°C ambient temperature unless stated otherwise.

Drawings



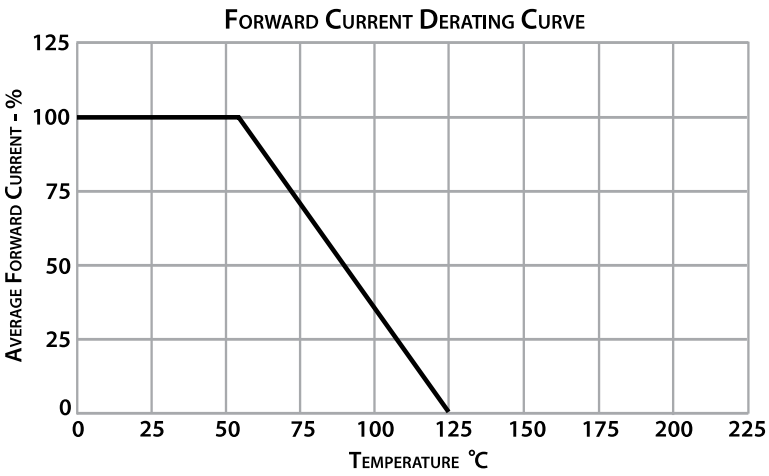
Dimensions in inches, tolerances ±0.020 except as noted

Marking Diagram

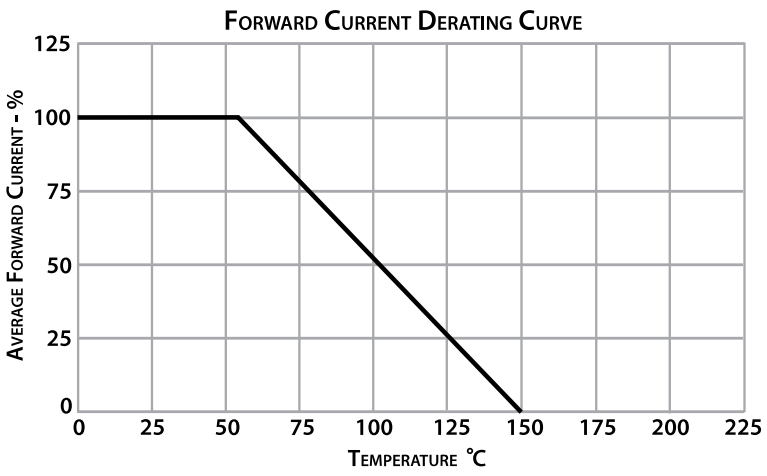


Marking Type: Silver, Inkjet
(Markings will wrap entire body of diode and are subject to minor changes)

CL03-25, CL03-30



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 = 0.5 I_{FAVM}; I_R = -I_{FAVM}; I_{RR} = -0.25 I_{FAVM}

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

RoHS COMPLIANT