



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

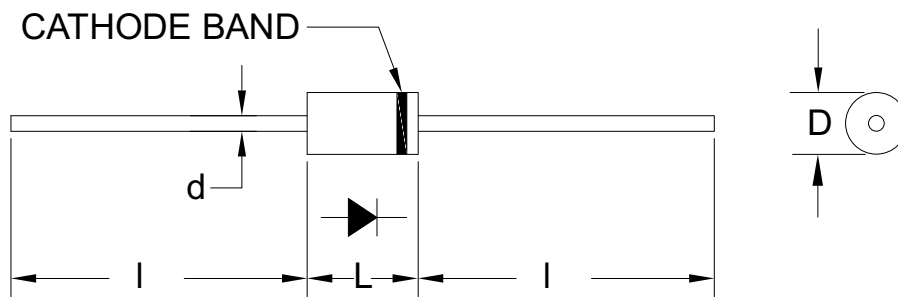
Specifications¹

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.
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)

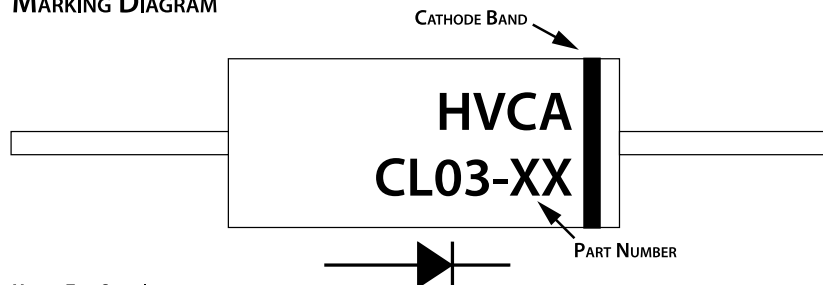
¹125°C ambient temperature unless stated otherwise.

Drawings



Dimensions in inches, tolerances ±0.020 except as noted

MARKING DIAGRAM

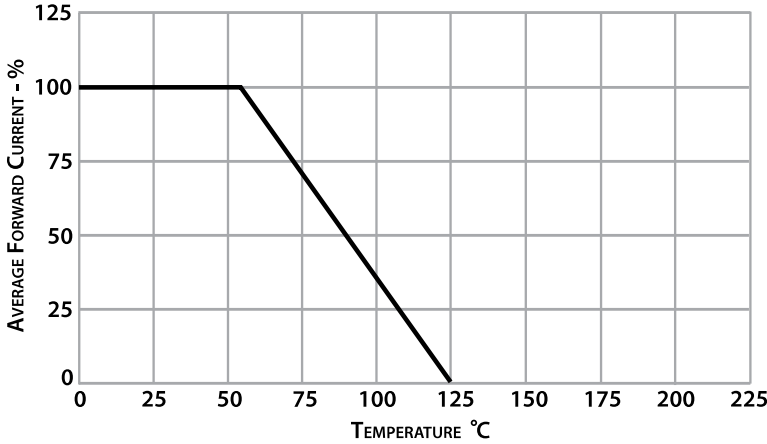


MARKING TYPE: SILVER, INKJET
(MARKINGS WILL WRAP ENTIRE BODY OF DIODE AND ARE SUBJECT TO MINOR CHANGES)



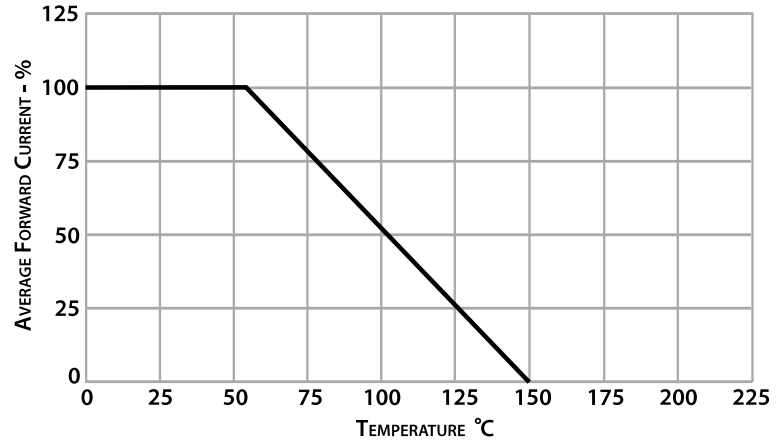
CL03-25, CL03-30

FORWARD CURRENT DERATING CURVE



All other models

FORWARD CURRENT DERATING CURVE



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.

