Innovative Technology
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Submittal Spec Sheet

Eaton® Innovative Technology® LV48DC2LER Model Surge Protective Devices

Introduction

Since 1980, Eaton's Innovative Technology has provided Surge Protective Devices (SPDs) to power quality equipment users around the world. Whatever your electrical surge protection need may be, Eaton's Innovative Technology has a Surge Protective Device to fill it!

General Features

- Description — 4 kA, series wired, Multi-stage hybrid Active Tracking Network (ATN®) surge protective device and EMI/RFI multi-pole filter
- Application — Dedicated dc power circuits operating at 48 Vdc, ≤10 Amps, power supplies, micro-processor based loads, and other mission critical and general purpose individual loads
- Warranty — 5-Year Free Replacement
- Manufacturer Qualifications — ISO® 9001:1994 Quality System Certification BSI FM 30833

Mechanical and Electrical Features

- Enclosure — ABS Plastic UL® 94V-0
- Connection — 14 AWG stranded wire
- Shipping Weight — ≈ 1 lb (0.45 kg)
- Operating Temperature — -40°F (-40°C) to +140°F (+60°C)
- Protection Modes — Discrete All Mode Pos-Neg (normal mode)
- Input Power Frequency — 0 – 60 Hz (ac)
- Response Time — <1 nanosecond
- Maximum Continuous Operating Current — 10 Amps

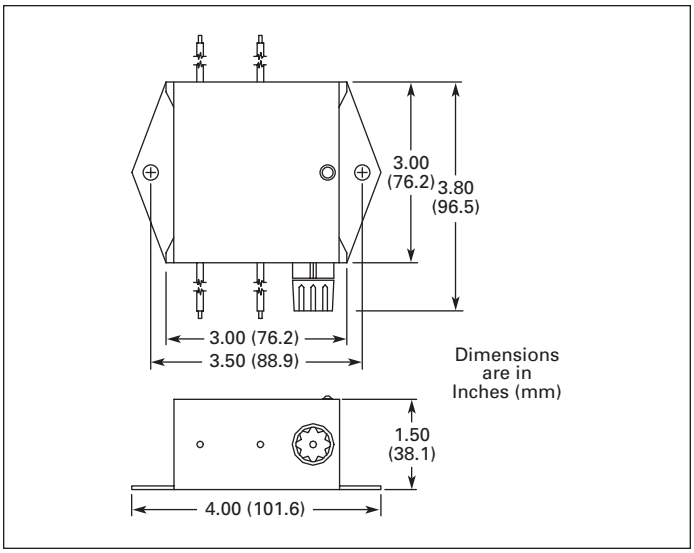
Maximum EMI/RFI Attenuation — Mil-Std-220

1 kHz	10 kHz	100 kHz	1 MHz	10 MHz	Maximum Attenuation Frequency
3 dB	15 dB	47 dB	39 dB	16 dB	77 dB @ 2.3 MHz

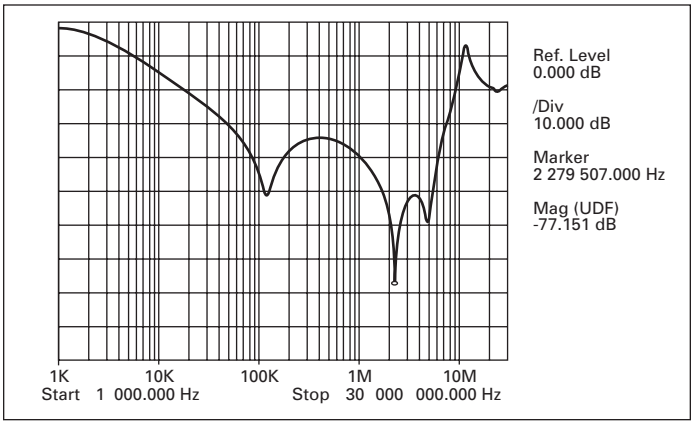
Performance Data

Model	Peak Surge Current	MCOV	ANSI/IEEE C62.41-1991 Measured Limiting Voltage * A1 Ring Wave 2 kV, 67 A Pos-Neg	A3 Ring Wave 6 kV, 200 A Pos-Neg	B3/C1 Impulse Wave 6 kV, 3 A Pos-Neg
LV48DC2LER	4 kA	56 Vdc	40	60	70

* Test environment: all units tested at wire ends, time base = 10 µs. All measurements referenced from zero volts per NEMA LS-1.



- Frequency/Attenuation Scan — 50 Ω, Mil-Std-220B



ISO 9001

five year free 5 REPLACEMENT Warranty

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