

EM-7825-1 | Line Impedance Stabilization Network (LISN)



Description

The Electro-Metrics EM-7825-1 Line Impedance Stabilization Network (LISN) is a two channel low pass filter network designed to isolate an electrically operated device from an external power source. The EM-7825-1 is used when high frequency conducted measurements are made in accordance with certain FCC, CISPR and VDE standards.

Applications

When measuring conducted radio interference voltages from line to ground, it is essential to stabilize the line impedance so that repeatable tests can be made at more than one facility. The Electro-Metrics series LISN's are designed to meet FCC, VDE and CISPR standards for conducted emissions measurements. Each LISN is designed to present a relatively constant impedance to high frequency signals that may be present on the power lines between the device under test and the power source.

Specifications

Electrical

Frequency Range: 450 kHz - 100 MHz

Power Source Frequency: DC to 400 Hz

Current Rating: 50 A Maximum Continuous
2 Lines

Maximum AC Current: 200 A Maximum
Continuous Current

Maximum AC Input:
Line-to-Line: 440 VAC
Line-to-Ground: 220 VAC

Impedance Characteristics: 50 Ohms

Inductance Characteristics: 50 μ H

Connectors:
Monitor Port: Type BNC
Power Input/Output: Superior Plug/
Socket Receptacles

Mechanical

Length: 26.42cm (10.4")

Width: 27.94 cm (11")

Height: 16.26 cm (6.4")

Weight: 3.6 kg (8 lbs.)

Ref: 100506

Specifications subject to change without notice.
Unless otherwise specified, product is
manufactured in Johnstown, NY USA.

