

EM-7821 | Line Impedance Stabilization Network (LISN)



Description

The Electro-Metrics EM-7821 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-7821 is used when high frequency conducted measurements are made in accordance with certain FCC, CISPR and VDE standards.

Description

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.

Specifications

Electrical

Frequency Range: 450 kHz - 100 MHz

Power Line Frequency: DC to 400 Hz

Current Rating: 25 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.



Description

Continued

When the associated measuring equipment is a spectrum analyzer or EMI meter which uses an electronically controlled solid state attenuator, it is recommended that a high-pass filter (Electro-Metrics EM-7600 Transient Limiter) be used. This precaution prevents possible damage to the attenuator's FET semiconductors caused by transients.