

LISN-C01 Custom Unbalanced Very High Frequency Line Impedance Stabilization Network

(15A, 30-150MHz, unbalanced 2/3 wire VHF LISN)



1. Description

The model LISN-C01, Custom Unbalanced Very High Frequency Impedance Stabilization Network (Custom Unbalanced VHF LISN) is a network designed to define the RF termination impedance of AC mains cables leaving a test volume used for radiated EMI measurements. It is designed to have defined, non-symmetrical line impedances, resulting in an unbalanced load with controlled conversion of differential mode currents to common-mode currents.

2. Features

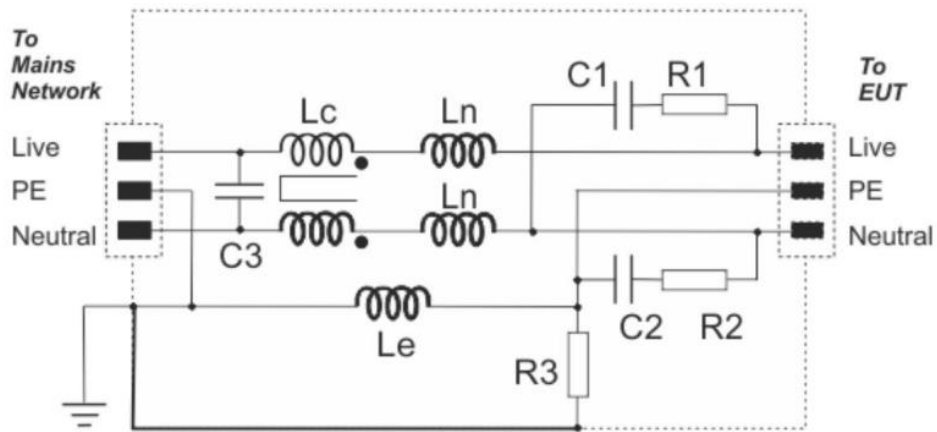
- Designed for both 2 wire or 3 wire setups
- Ultra-Compact Design System for 15A, 30-150 MHz
- Provides a defined CM and DM impedance to improve test result repeatability
- Provides a specific degree of conversion from DM to CM
- Customization of enclosure is available
- Customization of Inlet/Outlet is available

3. Applications

- General radiated emission measurement (EMC/EMI)
- Controlled differential-mode to common-mode conversion
- Preventing high-frequency noise of the power source from coupling into a system

4. Specifications

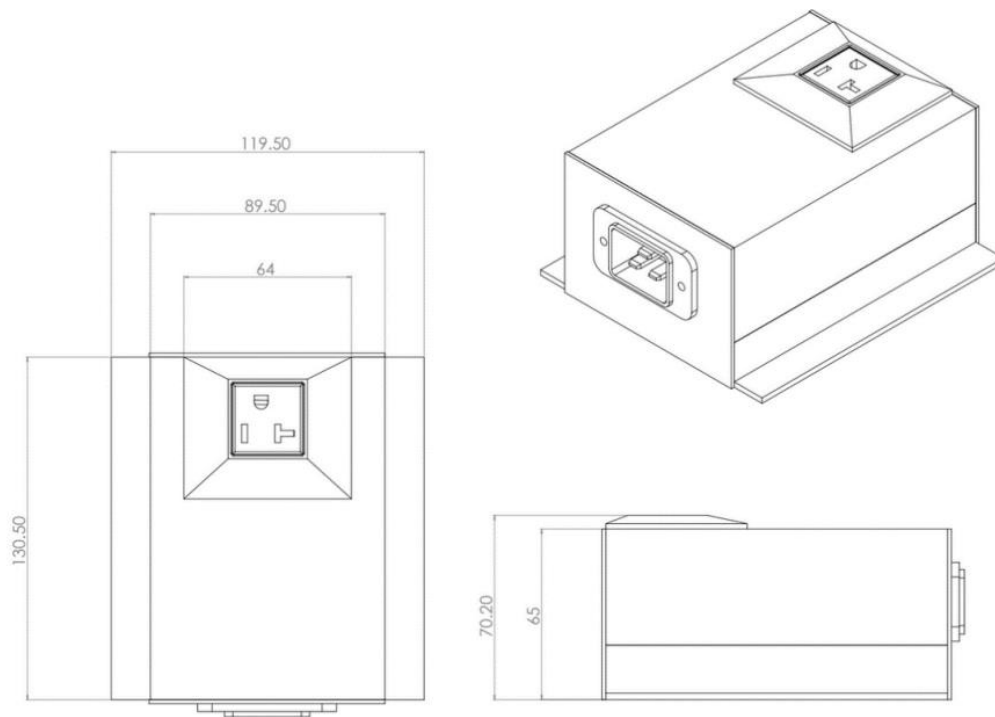
Unbalanced 2/3 wire UHF LISN	
Frequency Range	30 – 150 MHz
Network Impedance	2 or 3 wire defined standard
Power Line Frequency	DC to 400 Hz
Maximum Current	15 A RMS
Maximum AC Voltage	250 VAC, 50/60 Hz
Input Connector	US T-SLOT RECEPTACLES
Output Connector	IEC Inlet
Isolation	Better than 50 dB
Dimension	130 x 80 x 60 mm
Weight	1 kg
Installation Method	On or under floor
Temperature	0 °C to 105 °C (32 °F to 220 °F)



OP Example schematic Unbalanced LISN

Safety measures not shown !

5. Dimensions:



6. Ordering Information

Line	Part # or Option #	Description	Status
1	LISN-C01	Custom Unbalanced VHF LISN	Active
2	LISN-C01-TFU	Test Fixture for LISN-C01, US Plug	Active
3	LISN-C01-TFC	Test Fixture for LISN-C01, CN Plug	Active