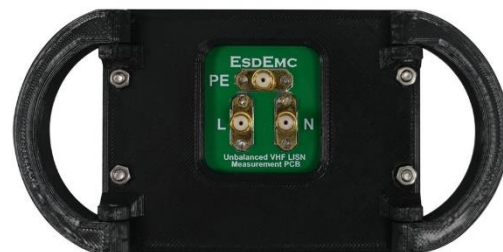


LISN-16U Unbalanced Very High Frequency Line Impedance Stabilization Network

(15A, 30-300MHz Unbalanced VHF LISN)



1. Description

The model LISN-16U, Unbalanced Very High Frequency Impedance Stabilization Network (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

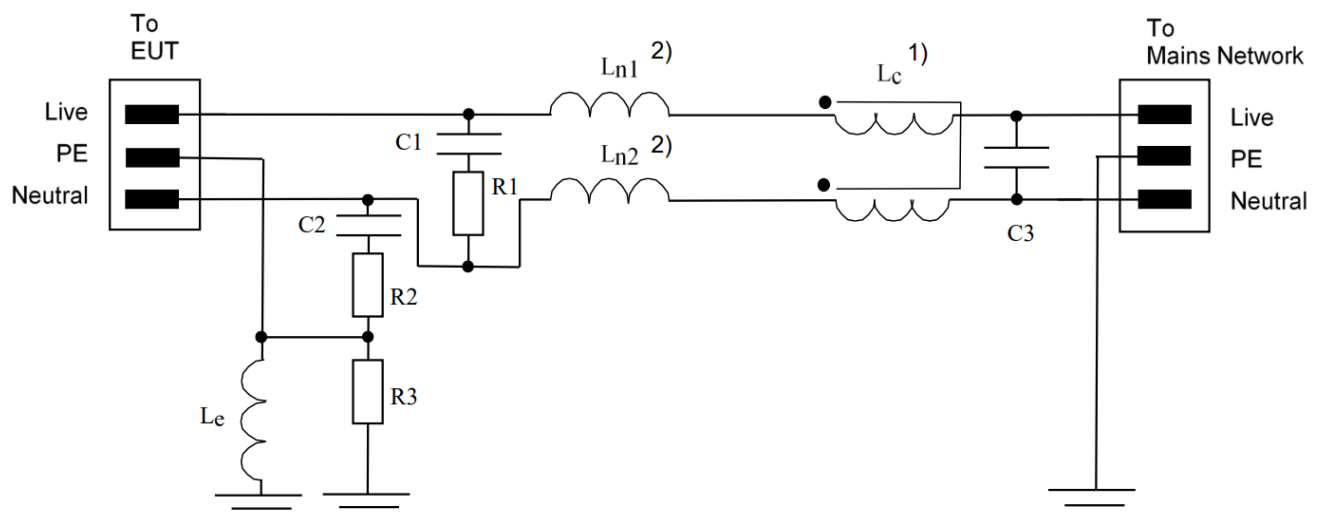
- Designed for both 2 wire or 3 wire setups
- Ultra-Compact Design System for 15A, 30-300 MHz
- Provides a defined CM and DM impedance to improve test results repeatability
- Provides a specific degree of conversion from DM to CM
- Customization of enclosure is available
- Customization of Inlet/Outlet is available
- Conforms to CISPR 16-1-4

3. Applications

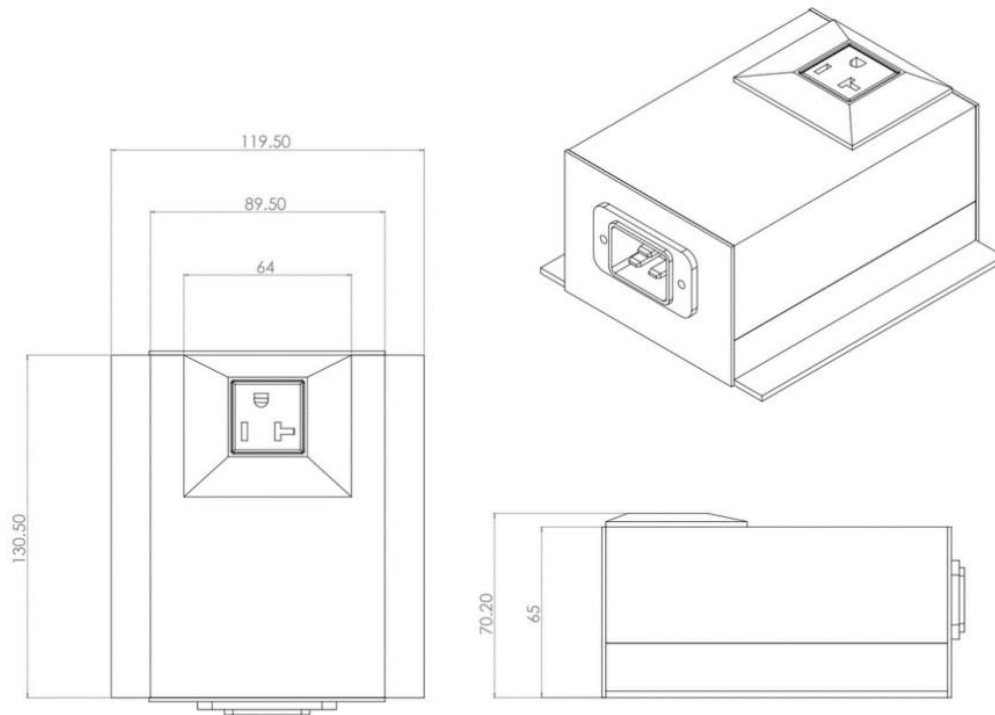
- General radiated emission measurement (EMC/EMI)
- Controlled differential-mode to common-mode conversion
- Preventing high-frequency noise of the power source from coupling into a system

4. Specifications

Unbalanced VHF LISN	
Frequency Range	30 – 300 MHz
Live-line to PE Impedance	160 Ω +/- 40 %
Neutral-line to PE Impedance	60 Ω +/- 40 %
PE-line to RGP	90 Ω +/- 40 %
Impedance Phase	0 +/- 40°
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	Greater than 40 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)



5. Dimensions:



6. Ordering Information

Line	Part # or Option #	Description	Status
1	LISN-16U	Unbalanced VHF LISN	Active
2	VHF-LISN-TFU	Test Fixture for VHF-LISN, US Plug	Active
3	VHF-LISN-TFC	Test Fixture for VHF-LISN, CN Plug	Active