

## Line Impedance Stabilization Networks / Artificial Mains Network MIL 461 E/F, Single line



LISN (Artificial Mains Network) is a low-pass filter typically placed between an AC or DC power source and the EUT (Equipment Under Test) to create a known impedance as per complying standard for the measurement of conducted emission. It also isolates the unwanted RF signals from the power source with pre-filter included. It provides a Radio frequency (RF) noise measurement port.

LISN is used to predict conducted emission for diagnostic, pre-compliance and compliance testing.

Scientific designs and manufactures models in compliance with CISPR 16-1-2, EN, ANSI C63.4, FCC, ETS, VCCI and VDE, MIL461E/F standards and automotive for measurements in commonly used Standards.

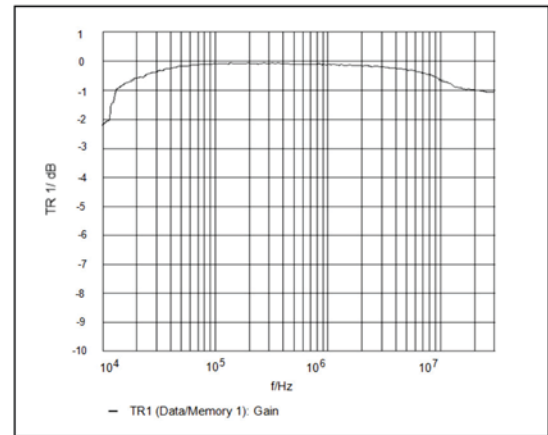
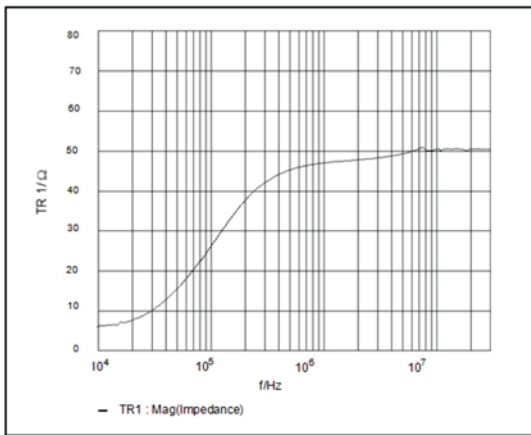
These single line LISN are designed in accordance with MIL 461E/F, DO160 requirements. Characteristic impedance of these LISNs is  $(50\mu\text{H} + 5\Omega) \parallel 50\Omega$

A transient limiter is highly recommended to use with LISN at the front end of EMI Rx or Spectrum Analyzer to protect measuring instrument from transients.

These LISN are provided with the calibration data (insertion loss) for all the lines. Impedance, Phase and Isolation curves are supplied with every individual unit.

## Technical Specifications

Model	LIN25-1M	LIN75-1M	LIN100-1M	LIN200-1M	LIN400-1M
Frequency Range	9kHz – 30MHz (100MHz)				
AMN Impedance	$(50\mu\text{H} + 5\Omega) \parallel 50\Omega \pm 20\%$				
Maximum AC / DC					
Continuous Load Current	25A	75A	100A	200A	400A
Peak Current (15 min)	50A	100A	120A	225A	425A
Maximum Input Voltage	AC : 300V, 50 / 60Hz , 130V @ 400Hz, DC : 600V				
Standard	MIL-Std-461 E/F, DO160				
RF Output	BNC (F) Connector 50Ω to connect RF output to EMI receiver, Optional : N Type (F) Connector				
Mains Input & Output Terminals (EUT)	Wing Terminals Optional : Supercon				



LISNs are provided with the calibration data (insertion loss) and Impedance plot for all the lines with each individual unit.

Subject to change

