

## Line Impedance Stabilization Networks / Artificial Mains Network MIL-Std- 461E/F DO160

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. Which provides a Radio frequency (RF) noise at measurement port.

Scientific offers two models in compliance to MIL461 standards.

Specifications	SMLIN1000-1M	SMLIN1500-1M
Frequency Range	150 kHz (9 kHz) – 30 MHz (108 MHz)	
Maximum Load Current		
Continuous Current	1000 A	1500 A
Peak Current (15 min.)	1050 A	1550 A
Maximum Input Voltage		
DC	600 V	
AC	Line - Neutral : 300 V, Line - Line : 480 V, 50/60Hz	
AMN Impedance	$(50 \mu\text{H} + 5 \Omega) \parallel 50 \Omega \pm 20 \%$	
Standard	MIL-Std- 461E/F DO160	
RF Out put	BNC (F) 50Ω to connect RF output to EMI receiver, ( Optional N Type (F))	
Mains Input / Output	Wings Terminals with M12 Nut-Bolt	
All LISNs are provided with manufacturer's calibration data.		

Available Options :

- Transient Limiter
- 50Ω Termination
- Calibration Certificate traceable to ISO/IEC 17025 standard

Subject to Change

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