

Line Impedance Stabilization Networks (Artificial Mains)



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 provides a Radio frequency (RF) noise measurement port. It also isolates the unwanted RF signals from the power source with pre-filter included.

Scientific designs and manufactures models in compliance with CISPR 16-1-2, EN, CISPR 25, ANSI C63.4, FCC, ETS, VCCI and VDE, MIL461E/F for Commercial, Military and Automotive applications.

Artificial Hand simulation $510\Omega + 220\text{pF}$ impedance in accordance with CISPR 16-1-2 is provided. High Voltage Option and Common Mode / Differential Mode options available.

EUT Connectors

Standard : CEE / Schuko Industrial Connector up to 100A, Wing Terminals for 200A & 400A,
(Optional: Wing Terminal and SUPERCON connectors up to 100A)

CISPR 16-1-2, Single Phase 2 Wire LISN

Model	LIN16-2P	LIN16-2	LIN32-2	LIN63-2
Continuous Load Current	16A	16A	32A	63A
Peak Current (15 min.)	20A	24A	45A	80A
Frequency Range	150kHz - 30MHz	9kHz - 30MHz		
AMN Impedance	(50μH + 5Ω) 50Ω ± 20%			
Pre-Filter Choke	-	250μH		
Maximum AC / DC Supply	AC : 300V, 50/60Hz DC : 600V			

CISPR 16-1-2, Three Phase 4 Wire LISN

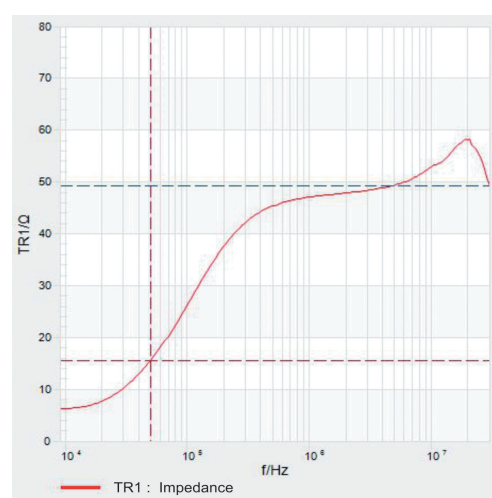
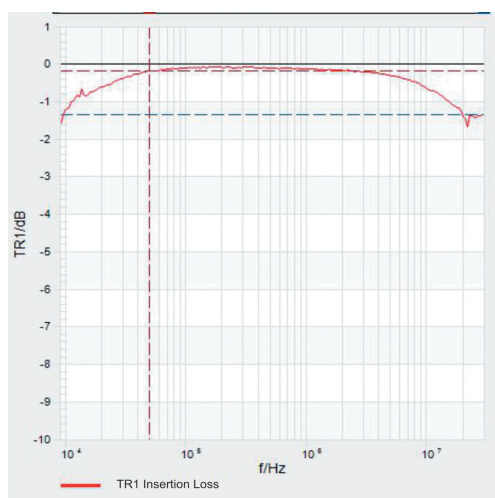
Model	LIN20-4	LIN32-4	LIN63-4	LIN100-4	LIN200-4	LIN400-4
Continuous Load Current	20A	32A	63A	100A	200A	400A
Peak Current (15 min.)	30A	45A	80A	120A	225A	450A
Frequency Range	9kHz - 30MHz					
AMN Impedance	(50μH + 5Ω) 50Ω ± 20%					
Pre-Filter Choke	250μH				-	
Maximum AC / DC Supply	AC : 300V, 50/60Hz DC : 600V					

Automotive LISN

Model	LIN25-1A	LIN100-1A	LIN200-1A	LIN400-1A
Continuous Load Current	25A	100A	200A	400A
Peak Current (15 min.)	32A	120A	225A	450A
Frequency Range	100kHz - 150MHz			
AMN Impedance	$(5\mu\text{H} + 1\Omega) \parallel 50\Omega$			
Maximum AC / DC Supply	AC : 250V, 50/60Hz DC : 600V			

MIL461 E/F LISN

Model	LIN25-1M	LIN75-1M	LIN100-1M	LIN200-1M	LIN400-1M
Continuous Load Current	25A	75A	100A	200A	400A
Peak Current (15 min.)	32A	100A	125A	225A	450A
Frequency Range	9kHz - 30MHz				
AMN Impedance	$(50\mu\text{H} + 5\Omega) \parallel 50\Omega \pm 20\%$				
Maximum AC / DC Supply	AC : 300V, 50/60Hz, 130V at 440Hz, DC : 600V				



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