

# Line Impedance Stabilization Network **LISN AR 50**



## ■ RTCA/DO 160G

### — Features

- > Max. load current 50 A
- > Test voltage DC 600 V, AC 530 V 400Hz, AC 270 V 890 Hz
- > Impedance frequency range is 0.01 MHz ~ 400 MHz
- > Standard BNC interface

### — Introduction

The LISN AR 50 Line Impedance Stabilization Network is designed in accordance with RTCA/DO-160G Section 20 and Section 22. It provides a defined power impedance for the EUT power input to ensure test result consistency.

During testing, the output port of the LISN AR 50 is connected to the EUT, while the input port is connected to the power supply. The 50  $\Omega$  coaxial output port is equipped with a BNC connector.

### — Application Areas



Technical  
Parameters

|                           |                                          |
|---------------------------|------------------------------------------|
| Impedance Frequency Range | 0.1 MHz ~ 400 MHz                        |
| Test Voltage              | 600 V DC<br>530 V, 400 Hz; 270 V, 890 Hz |
| Test Current              | Max. 50 A                                |
| Instantaneous Current     | Max. 100 A                               |
| Inductor                  | 5 $\mu$ H                                |
| Coupling Capacitor        | 0.1 $\mu$ F                              |
| Coaxial Terminal          | Type BNC                                 |

General  
Parameters

|                      |                            |
|----------------------|----------------------------|
| Dimension            | 220 (W)*220 (H)*257 (D) mm |
| Weight               | Approx. 5 kg               |
| Atmospheric Pressure | 86 kPa ~ 106 kPa           |
| Ambient Temperature  | 15°C ~ 35°C                |
| Relative Humidity    | 45% ~ 75%                  |

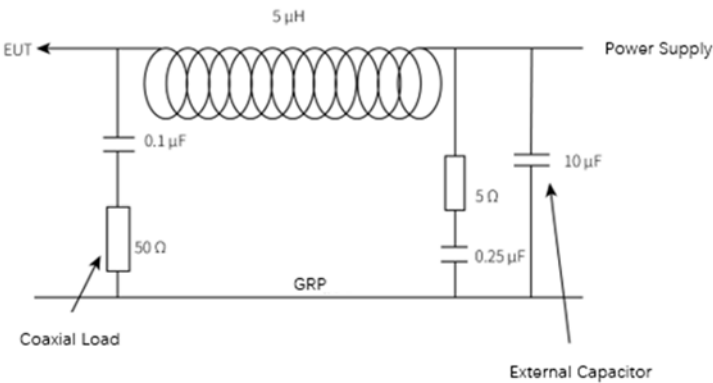
Standard Accessories

|                                                        |
|--------------------------------------------------------|
| User Manual, LISN AR 50 Coupling Calibration Capacitor |
|--------------------------------------------------------|

Optional Accessories

|                               |                                                                       |
|-------------------------------|-----------------------------------------------------------------------|
| Impedance Calibration Fixture | Model: LISN AR 50-Fixture<br>Auxiliary tool for impedance calibration |
|-------------------------------|-----------------------------------------------------------------------|

Schematic Diagram



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