

CISPR 22 ISN Four Balanced Pair Module

Per CISPR 22 (1998), ISN's are specialized coupling decoupling devices used for measuring the conducted asymmetric common mode radio interference voltages of ITE. FCC-TLISN-T8-02 ISN has been designed to perform conducted emissions test per CISPR 22 on four balanced pair telecom lines. It meets the requirements for Longitudinal Conversion Loss defined in CISPR I/11/CDV, accepted by CISPR.



Specifications

Specification Frequency 150 kHz - 30 MHz
Useable Frequency 9 kHz - 230 MHz

Common Mode Impedance
 9 kHz - 100 MHz 150Ω \pm 20Ω
 100 MHz - 230 MHz 105Ω \pm 210Ω

Connectors
 Basic Network D-sub 25 pin
 LCL Adapters RJ11 and RJ45

Phase Angle
 9 kHz - 30 MHz 0° \pm 20°

Transmission Bandwidth of Differential Signal (Symmetrical Signal) EUT-AE

9 kHz - 1 MHz <0.20dB
 10 MHz <0.25dB
 30 MHz <0.50dB
 100 MHz <3.00dB

Decoupling Common Mode
Attenuation RF Output Port to AE
 150 kHz >35dB
 1.5 MHz >55 dB
 30 MHz >55dB

Crosstalk EUT/AE Pair 1 to Pair 2
 150 kHz >74 dB
 1.5 MHz >100dB
 30 MHz >40 dB
 100 MHz >30 dB

Voltage Division Factor (Common Mode)
 Basic Network Measured between the RF Output Port and the EUT Port Factor to be added to the reading of the measuring receiver -- Typically 9.5 dB \pm 1dB

Intentional Signal Parameter
 AC Voltage <63 VRMS
 DC Voltage <100 V
 Current <.25Amperes
 Test Voltage <220 VDC

Longitudinal Conversion Loss EUT

Frequency	Basic Network
150 kHz	>85dB
1.5 MHz	>85dB
5 MHz	>70dB
10 MHz	>64dB
20 MHz	>58dB
30 MHz	>55dB



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