



Coupling/Decoupling Network for Screened Symmetrical Lines

CDN SRJ45

- IEC 61000-4-6
- EN 61000-4-6
- GB/T 17626.6

Features

- > All ports adopt RJ45 ports
- > Specifically designed for 4-pair (8-wire) screened symmetrical lines
- > Max. current rating 1 A, suitable for most industrial and automotive electronic devices

Introduction

The CDN SRJ45 Coupling/Decoupling Network for Screened Symmetrical Lines is designed in compliance with IEC 61000-4-6, GB/T 17626.6 and other domestic and international standards, and fully complies with the performance and cabling specifications for CDNs.

The CDN SRJ45 supports a max. data rate of 1,000 Mbit/s and is equipped with RJ45 ports. It ensures stable data transmission during tests, accurately reproduces the actual communication status of devices, and guarantees accurate and repeatable test results. This product helps streamline testing procedures to meet industrial compliance requirements and delivers reliable, credible test data.

Application Areas



Technical Parameters

Frequency	150 kHz ~ 230 MHz
Max. AC Voltage (L-PE)	100 V
Max. DC Voltage (L-PE)	150 V
Max. Current	1 A
RF Input (BNC)	< 20 V
EUT Port	Screened RJ45
AE Port	Screened RJ45
Data Rate	1,000 Mbit/s
Common-mode Impedance (EUT)	
150 kHz ~ 24 MHz	150 Ω $\pm$ 20 Ω
24 MHz ~ 80 MHz	150 Ω + 60 Ω / -45 Ω
80 MHz ~ 230 MHz	150 Ω + 60 Ω / -60 Ω
Voltage Division Factor (RF Input Port - EUT Port)	
150 kHz ~ 80 MHz	9.5 dB $\pm$ 1 dB
80 MHz ~ 230 MHz	9.5 dB $\pm$ 2 dB
Common-mode Disturbance Suppression (RF Input Port / AE)	
150 kHz	> 60 dB
1.5 MHz	> 60 dB
30 MHz	> 50 dB
80 MHz:	> 50 dB
230 MHz	> 40 dB

General Parameters

Weight	Approx. 4 kg
Dimension	210 mm(L) * 170 mm(W) * 115 mm(H)
Enclosure Material	Aluminum
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Package	Carton

Standard Accessories

Adapters, User Manual

Optional Accessories

1	150 Ω to 50 Ω Adapter	Model: CDN 100KIT Insertion Loss: 9.5 dB $\pm$ 0.5 dB Number: 2	
2	BNC 50 Ω Coaxial Terminator	Model: TF2-1-BNC(J)2W DC-1G Impedance: 50 Ω Power: 2 W Frequency: DC ~ 1 GHz Port: BNC	

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