



Coupling/Decoupling Network for Unscreened Symmetrical Lines

CDN T4

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

Features

- > All ports adopt RS485 ports
- > Specifically designed for 4-wire unscreened balanced lines
- > Max. current rating 1 A, suitable for most industrial and automotive electronic devices

Introduction

The CDN T4 Coupling/Decoupling Network for Unscreened 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 T4 supports a max. data rate of 100 Mbit/s and is equipped with RS485 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	RS485
AE Port	RS485
Data Rate	10 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

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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