



Shielded Coupling/Decoupling Network **CDN S1**

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

Features

- > Supports data rate up to 1 Mbit/s
- > Especially for single-core shielded coaxial cable
- > BNC port, support most industrial communication equipment
- > Max. current rating 1 A for wider application coverage

Introduction

The CDN S1 shielded coupling/decoupling network strictly complies with IEC 61000-4-6, and is intended for conducted immunity tests on single-core shielded coaxial cable.

The CDN S1 supports data rate up to 1 Mbit/s and is designed especially for BNC ports. During tests, it maintains stable, distortion-free data transmission to reflect actual communication status of devices. It avoids data loss and incorrect judgements from interference, ensuring accurate and repeatable results.

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 Interface (BNC)	< 20 V
EUT Ports	BNC
AE Ports	BNC
Data Rate	1 Mbit/s
Common-mode (CM) Impedance (at the EUT port)	
150 kHz ~ 26 MHz	150 Ω $\pm$ 20 Ω
26 MHz ~ 80 MHz	150 Ω + 60 Ω / -45 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 Port)	
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 (H)*115 mm (W)
Enclosure Material	Aluminum
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Package	Carton

Standard Accessories

User Manual, Instrument List, Adapter

Optional Accessories

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

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