



Shielded Coupling/Decoupling Network **CDN S4**

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

Features

- > Support signal transmission rate up to 1 Mbit/s
- > Especially for USB transmission cables, USB A for EUT port and USB B for AE port
- > Support most industrial communication equipment
- > Max. current rating 1 A for wider application coverage

Introduction

The CDN S4 shielded coupling/decoupling network complies with IEC/EN 61000-4-6, is designed for conducted immunity testing of USB transmission lines.

Supporting signal transmission rates up to 1 Mbit/s and compatible with USB Type-A and USB Type-B interfaces, the CDN S4 ensures stable, distortion-free data transmission during testing, accurately reproduces the actual communication status of the EUT, prevents data loss and false judgments caused by interference, and guarantees accurate and repeatable test results. It is widely used in communications, telecommunications, medical, broadcasting and television, railway, information technology, military, aerospace, new energy power, new energy vehicle.

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	USB A
AE Ports	USB B
Data Rate	1 Mbit/s
Common-mode (CM) Impedance (at the EUT port)	
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 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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