



Coupling/Decoupling Network for Screened Lines

CDN S15

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

Features

- > All ports adopt 15-pin D-sub ports
- > Specifically designed for 15-core screened lines
- > Max. current rating 1 A, suitable for most industrial and automotive electronic devices

Introduction

The CDN S15 Coupling/Decoupling Network for Screened 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 S15 supports a max. data rate of 10 Mbit/s and is equipped with 15-pin D-sub 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	150 V
Max. Current	1 A
RF Input Port	BNC (female)
EUT Port	15-pin D-sub port (female)
AE Port	15-pin D-sub port (female)
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
80 MHz:	> 50 dB
230 MHz	> 40 dB

General Parameters

Weight	Approx. 4.2 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

Calibration Adapter, D-Sub Female Solder Cup 15-position (Black), 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	

SUZHOU 3CTEST ELECTRONIC CO., LTD.

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

E-mail: globalsales@3ctest.cn

Service: service@3ctest.cn

Tel: +86 - 512 - 68077192

Web: www.3ctest.com



3CTEST is always striving for product innovation and quality improvement. Product appearance and technical specifications are subject to change without further notice.