



Common-mode Conducted Immunity Coupling/Decoupling Network

CDN 416T4 (300 V)

- IEC 61000-4-16
- EN 61000-4-16
- GB/T 17626.16

Features

- > All ports adopt 4 mm banana ports
- > Support 100 Mbit/s signal transmission rate
- > Specifically designed for 4-wire unscreened balanced lines
- > Max. current rating 1 A, suitable for most industrial and automotive electronic devices

Introduction

The CDN 416T4 (300 V) coupling/decoupling network complies with IEC 61000-4-16, GB/T 17626.16 and other domestic and international standards. It is applicable to common-mode conducted immunity tests on various unscreened balanced lines within the frequency range of 0 Hz to 150 kHz, and fully complies with the performance and cabling specifications for CDNs.

The CDN 416T4 supports CW signals across a wide frequency range of DC/15 Hz ~ 150 kHz. The max. coupling voltage is 300 V (rms), which covers standard test scenarios and meets stringent test requirements. It features a maximum signal transmission rate of 100 Mbit/s and is fitted with 4 mm banana ports. It ensures stable data transmission during tests, accurately reproduces the actual communication status of devices, and guarantees accurate and repeatable test results.

Application Areas



Technical Parameters

Coupling Frequency	DC/15 Hz ~ 150 kHz, CW
Coupling Voltage	300 V (rms)
Coupling Mode	4-wire common-mode (to ground simultaneously)
Coupling Element	4.7 μ F capacitor
Coupling Resistance	400 Ω * 4
Decoupling inductance	38 mH * 4
Test Voltage	Max. 150 V AC / 200 V DC
Test Current	Max. 1 A
AE/EUT Port	4 mm banana port
Signal Injection Port	4 mm banana port

General Parameters

Weight	Approx. 10 kg
Dimension	360 mm(L) * 220 mm(W) * 135 mm(H)
Enclosure Material	Aluminum
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%

Standard Accessories

Test Cable, Plug

Optional Accessories

1	Common-mode Conducted Disturbance Simulator	Model: CDS 300 Frequency: 0 Hz(DC) ~ 165 kHz Max. voltage: 300 V	
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