



Differential-mode Conducted Immunity Coupling/Decoupling Network

CDN 419M5-63

- IEC 61000-4-19
- EN 61000-4-19
- GB/T 17626.19

Features

- > All ports adopt 4 mm banana ports
- > Differential-mode coupling frequency 2 kHz to 150 kHz
- > Stable decoupling performance under high-load conditions
- > Withstand high voltage and large current, suitable for industrial applications

Introduction

The CDN 419M5-63 is a differential-mode conducted immunity coupling/decoupling network complies with IEC 61000-4-19, GB/T 17626.19 and other domestic and international standards. It fully complies with CDN performance and cabling specifications. It supports CW signals across the wide frequency range of 2 kHz to 150 kHz, with a max. coupling voltage of 30 V (rms).

Adopts optimized built-in decoupling circuit, which effectively isolates interference signals from the test circuit. It keeps the DUT operating signals unaffected and guarantees accurate and repeatable test results. DUT load capacity 690 V AC / 1000 V DC, 63 A

Application Areas



Technical Parameters

Coupling Frequency	2 kHz ~ 150 kHz, CW
Coupling Voltage	30 V (rms)
Coupling Mode	Differential mode (L-L)
Coupling Element	12 μ F capacitor
Coupling Capability	-10 dB ~ -50 dB (2 kHz ~ 150 kHz)
Test Voltage	Max. 690 V AC (L-L)
Test Current	Max. 63 A
AE/EUT Port	4 mm banana port
Signal Injection Port	4 mm banana port

General Parameters

Weight	Approx. 10 kg
Dimension	475 mm(D) * 235 mm(W) * 195 mm(H)
Enclosure Material	Aluminum
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

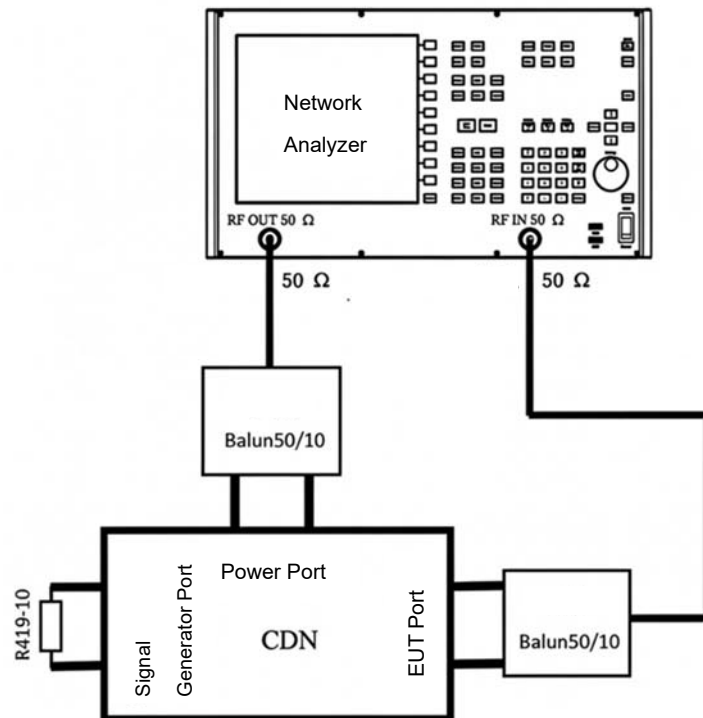
Standard Accessories

Test Cable, Grounding Wire, Adapter, Terminals, User Manual

Optional Accessories

1	Common-mode Conducted Disturbance Simulator	Model: RSG 40C20(DMS) Frequency: 2 kHz~150 kHz Output voltage: 0.1 V ~ 40 V Output current: 5 A (rms)	
2	Balanced-unbalanced Impedance Converter	Model: Balun50/10 For CDN characteristic test Number: 2	
3	Differential-mode Voltage Test Module	Model: R419-10 Impedance 10 Ω for CDN characteristic test	

CDN Calibration Diagram



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