



Coupling/Decoupling Network

CDN M5-200

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

Features

- > Supports load capacity up to 200 A 700 V AC / 1,500 V DC for high-power equipment testing
- > Overcomes high-power CDN impedance challenges while ensuring high load capability and standard-compliant, repeatable testing
- > A wide frequency range of 150 kHz ~ 80 MHz for stable performance
- > Optimized for EMC testing of unshielded power cables

Introduction

The CDN M5-200 Coupling/Decoupling Network complies with IEC/EN 61000-4-6 and is designed for high-power electrical equipment, featuring a three-phase five-wire configuration for reliable RF common-mode disturbance coupling to power lines and effective RF decoupling between the EUT and AE during conducted immunity testing, with a maximum load capacity of 200 A.

The CDN M5-200 is widely used for EMC compliance testing of power electronics, industrial control systems, renewable energy systems such as PV and wind power, smart grids, and other high-power electrical equipment.

Application Areas



Technical Parameters

Frequency	150 kHz ~ 80 MHz
RF Signal Input Port	BNC
Max. EUT Current/Voltage	200 A 700 V AC/1,500 V DC (line-to-ground) EUT/AE 50 mm ²
RF Input Power	6 W
Common-mode Impedance	150 kHz ~ 24 MHz: 150 Ω $\pm$ 20 Ω 24 MHz ~ 80 MHz: 150 Ω + 60 Ω / -45 Ω
Dimension	435 (W)*215 (H)*670 (D) mm
Weight	Approx. 20 kg

Standard Accessories

Power Cord, Test Cable, Grounding Wire, Screw, User Manual

Optional Accessories

1	Conducted Immunity Test System*	Model: CST Series Frequency: 100 kHz ~ 230 MHz Max. 1 dB gain: 51.8 dB $\pm$ 2 dB (150 W) Output impedance: 50 Ω	
2	CDN Calibration Kit 150 Ω to 50 Ω	Model: CDN 100KIT Insertion loss: 9.5 dB $\pm$ 0.5 dB 150 Ω to 50 Ω adaptor Quantity: 2	
3	Current Injection Probe	Model: BCIP-500 Frequency: 2 kHz ~ 500 MHz Power: 100 W (cont. 30 min) 150 W (cont. 15 min) 200 W (cont. 5 min)	
4	Current Injection Probe Calibration Fixture	Model: BCICF-500 Frequency: DC ~ 500 MHz Characteristic impedance: 50 Ω Inner diameter: 40 mm	
5	Calibration Kit 150 Ω to 50 Ω	Model: BCI 100KIT Insertion loss: 9.5 dB $\pm$ 0.5 dB 150 Ω to 50 Ω adaptor Quantity: 2	
6	Electromagnetic Clamp	Model: EM CL100 Frequency: 100 kHz ~ 1GHz Power: 100 W (cont. 5 min) Coupling/Decoupling Directional Factor: >10 dB (>0.1 MHz) Includes a 150 Ω to 50 Ω calibration device	

*For detailed differences in CST Series specifications, please visit our official website.

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