

MODEL NUMBER:

CDN-M3-16A

**Coupling/Decoupling
Network**



DESCRIPTION:

The CDN-M3-16A is a Coupling Decoupling Network for conducted immunity testing according to IEC 61000-4-6. The CDN-M3-16A is compliant with IEC 61000-4-6 Annex D2 and is designed to inject common mode disturbance signals in the frequency range from 150 kHz to 230 MHz into unscreened AC and DC power supply lines.

SPECIFICATIONS

Maximum supply voltage:	300V AC, 600V DC
Maximum current:	16A
Frequency range:	150 kHz – 230 MHz
Maximum RF input power:	6.5W CW
Maximum RF input voltage:	32 V
Common mode impedance:	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 \pm 60 Ω
Voltage Division Ratio:	150 kHz – 80 MHz: 9.5 dB \pm 1 dB 80 MHz – 230 MHz: 9.5 dB + 3 dB / – 2 dB

MECHANICAL SPECIFICATIONS

RF input connector:	N – female
EUT / AE connectors:	4 mm banana safety jacks, 4mm slots in base plate for GND connection
Housing material:	powder coated aluminium, stainless steel base plate
Dimensions:	12 x 6 x 6 inches
Weight:	2.2 lbs

*Included: individual test protocol with voltage division ratio and common mode impedance

OPTIONAL ACCESSORIES:

- 30mm adapter panel with shorting bars and BNC connector
- ADPT-150 50 Ω to 150 Ω N-male to N-female adapter

