

## Coupling /Decoupling Network for Power Supply lines

### CDN M4/16

### Datasheet



#### In Compliance with

> IEC 61000-4-6

#### Introduction

The CDN M4/16 is designed according to IEC/EN 61000-4-6, which specifies clearly on the design and performance of coupling/decoupling networks. The CDN M4/16 is applicable to three-phase (4-wire supply lines) mains supply systems.

#### Features

- > Max. withstand current is 16 A;
- > Applicable to three-phase 4-wire power cord;

#### Application Areas

- > Communication
- > Telecom
- > Medical
- > Broadcast
- > Railway
- > Technology
- > Military
- > Avionics
- > New energy

Technical Parameters	
Model	CDN M4/16
Standard	IEC/EN 61000-4-6
Frequency	150 kHz ~ 230 MHz
Max. AC current (line to ground)	250 V
Max. DC current (line to ground)	400 V
Max. current	16 A
RF input port (BNC)	<30 V
EUT port type	4 mm Banana(L1/L2/L3/N)
AE port type	4 mm Banana(L1/L2/L3/N)
Common Mode Impedance (EUT)	
150 kHz ~ 26 MHz	150 Ω ± 20 Ω
26 MHz ~ 80 MHz	150 Ω + 60 Ω /-45 Ω
Voltage Division Coefficient (RF input-EUT)	
150 kHz ~ 80 MHz	9.5 dB ± 1 dB
80 MHz ~ 230 MHz	9.5 dB ± 2 dB
Common Mode Disturbance Suppression (RF port/ AE)	
150 kHz:	>35 dB
1.5 MHz:	>55 dB
30 MHz:	>55 dB
80 MHz:	>40 dB
230 MHz	>20 dB

Optional Accessories	
CAL 100F	150 Ω to 50 Ω calibration device
CAL 150F	150 Ω calibration device
CDN ADP M4	Calibration adapter

General Parameters	
Weight	Approx. 4.0 kg
Size	210 mm(L)×170 mm(W)× 115 mm(H)
Case material	Aluminum
Ambient Temperature	5 °C ~ 40 °C (operating condition)
Relative Humidity	20% ~ 80% (operating condition)
Package case	Carton



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