

## Coupling decoupling network

## CDNE M2M3



### In Compliance with

- > GB/T 6113.102-2018
- > CISPR 16-1-2:2014

### Introduction

The CDNE M2M3 is designed in accordance with the requirements of GB/T 6113.102-2018 and CISPR 16-1-2:2014 standards for measuring conductive disturbance of electrically small EUTs with one or two connecting cables in the frequency range of 30MHz to 300MHz. CDNE can also be placed between EUT and AE to decouple the asymmetric disturbance generated by AE and to act as a stable impedance. Load capacity can be customized according to customer requirements.

### Features

- > Comply with GB/T 6113.102-2018 and CISPR 16-1-2:2014 standards;
- > Suitable for two or three wire;
- > The load current is 8A;

### Application Areas

- |                 |                       |
|-----------------|-----------------------|
| > Communication | > IT                  |
| > Telecom       | > Military            |
| > Medical       | > Avionics            |
| > Broadcast     | > New energy          |
| > Railway       | > New energy vehicles |

Technical Parameters	
Standard	GB/T 6113.102-2018、CISPR 16-1-2:2014
Frequency Range	30 MHz ~ 300 MHz
Maximum AC Voltage (line-to-ground)	250 V
Ceiling Direct Voltage	400 V
Maximum Current	8 A
Radio Frequency Signal Input	BNC
EUT Port or AE Port	4 mm banana head
Common Code Impedance (EUT)	150 $\Omega$ + 10 $\Omega$ / -20 $\Omega$
Common-Mode Phase Angle (EUT)	0° $\pm$ 25°
Differential Mode Impedance (EUT)	100 $\Omega$ $\pm$ 20 $\Omega$
Longitudinal Conversion Loss	$\geq$ 20 dB
Partial Pressure Coefficient of Tolerance (RF input - EUT side)	$\pm$ 1.5 dB
Decoupling Attenuation (RF port /AE)	> 30 dB
Dimension	130 mm (L) $\times$ 100 mm (H) $\times$ 210 mm (D)
Weight	Approx. 1.8 kg

The standard accessories
2 calibration adapters, 50 $\Omega$ BNC load, calibration certificate, manual



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