

## Coupling/Decoupling Network for Unshielded Remote Signal Line

### CDN 405AF2Y

#### Datasheet



#### In Compliance with

- > IEC 61000-4-5
- > EN 61000-4-5
- > GB/T 17626.5

#### Introduction

CDN 405AF2Y is designed for surge test on 1-pair 2-line unshielded remote signal line for voltage up to 6 kV. Powerful decoupling capacity makes auxiliary equipment free of surge to make sure test repeatability. Max. residual voltage on AE port is only 90 V when the surge voltage is 2 kV without extra decoupling elements.

#### Features

- > Applicable to remote signal test of electric power system;
- > Used for 1-pair (2-line) unshielded asymmetric lines;

#### Application Areas

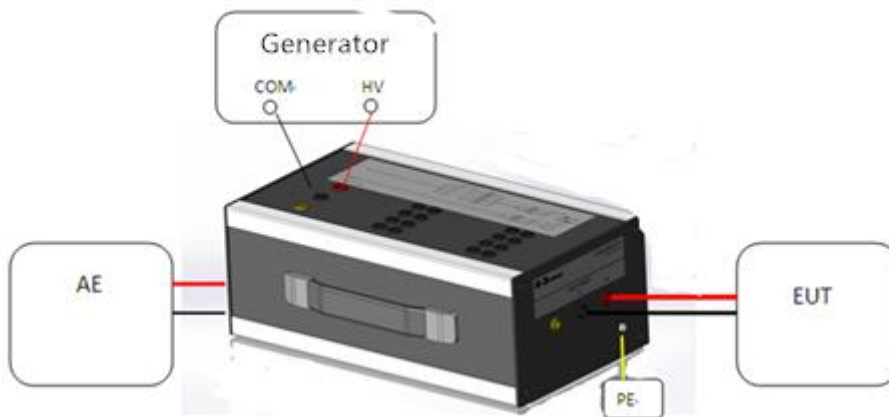
- > Communication
- > Medical
- > Railway
- > Military
- > New Energy
- > Telecom
- > Broadcast
- > IT
- > Avionics

Technical Parameters	
Model	CDN 405AF2Y
Standard	IEC/EN 61000-4-5
Output Voltage Waveform	1.2/50 $\mu$ s
Output Current Waveform	8/20 $\mu$ s
Max. Current	16 A
EUT Port	4 mm Banana
AE Port	4 mm Banana
Max. Test Voltage	6 kV
Coupling Component	GDT 90 (90V GDT, built-in)
Operating voltage	DC: 3 V – 12 V
Residual voltage	<15% (surge voltage)

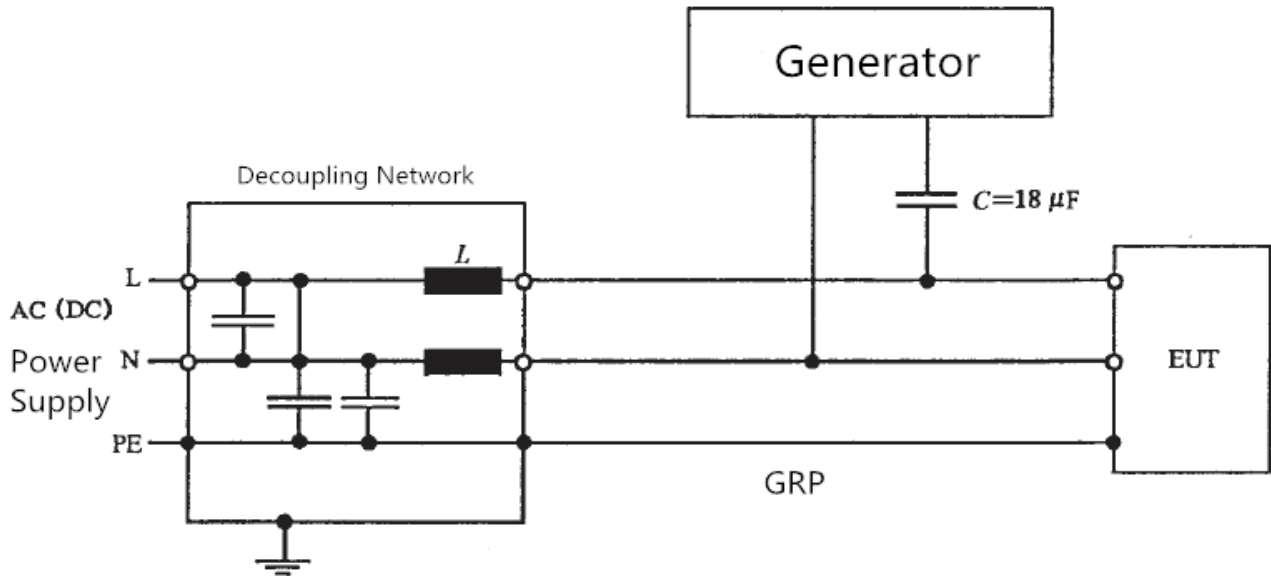
General Parameters	
Weight	Approx. 10 kg
Dimension	360 mm(L)×220 mm(W)× 135 mm(H)
Enclosure Material	Aluminum Alloy
Ambient Temperature	15 °C - 35 °C
Relative Humidity	45%-75%
Package case	Carton

Accessories	
HV cable	1 pc
Short –circuit wire	1 pc
Grounding cable	1 pc

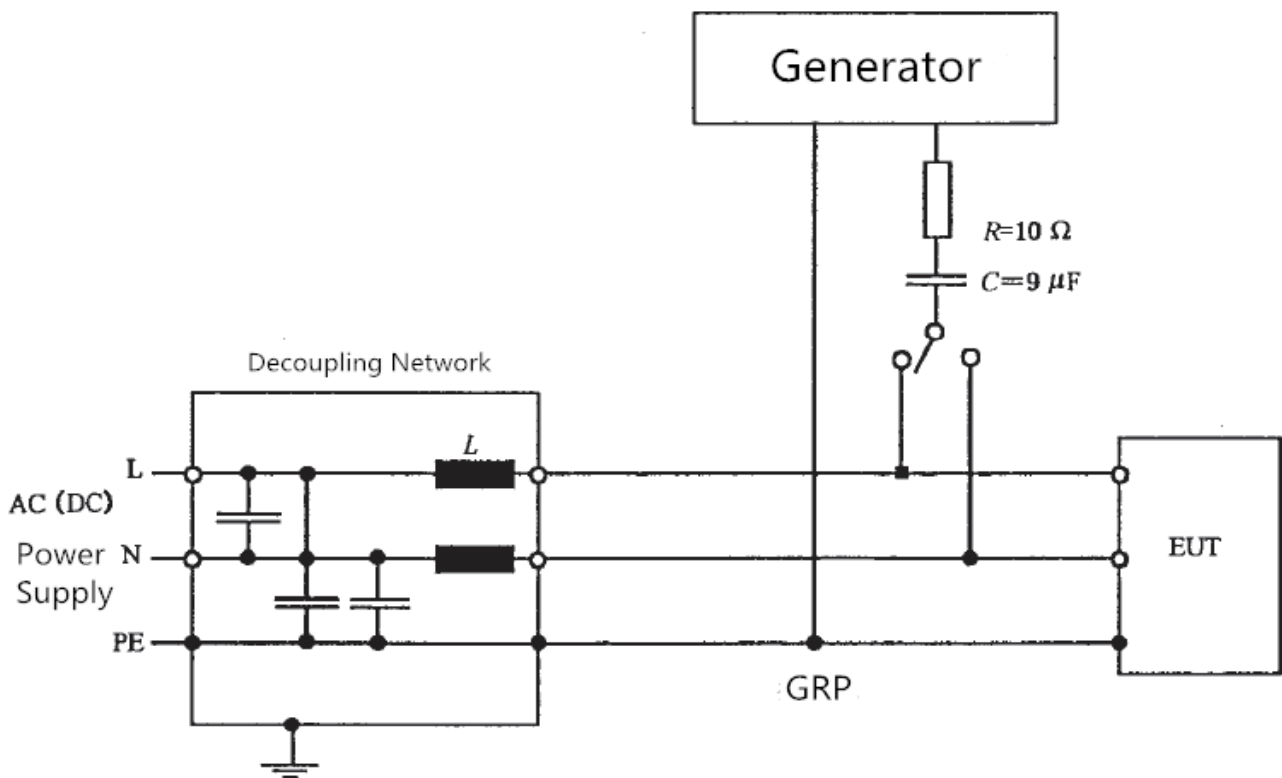
### Equipment Connection Diagram



Design Schematic Circuit



IEC 61000-4-5:2017 Figure 5



IEC 61000-4-5:2017 Figure 6



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