

CDN for unshielded symmetric high-speed communication line oscillatory wave

CDN 418TH8



As per

- > IEC 61000-4-18
- > EN61000-4-18
- > GB/T17626.12

Description

CDN 418TH8 unshielded symmetric coupling/decoupling network is designed to test high speed communication line for damped oscillatory wave test. It is designed to test ISDN, 10/100/1,000MBit/s Ethernet. There is no need to extra protect AE because of high decoupling capacity to make sure test repeatability. Max. residual voltage on AE port is only 90V when the surge voltage is 2kV. It fully meets the requirements of IEC/EN 61000 -4- 18. Stable decoupling capacity and transmission rate, easy to use and compact size.

Features

- > For the test of ISDN, 10/100/1,000MBit/s Ethernet
- > Test output to 1 pair, 2-pair or 4-pair communication line;
- > Compatible to output port of other generators for communication test
- > No need to extra protect AE

Industries

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

Technical parameters	
Model	CDN 418TH8
Standard	IEC / EN 61000 -4 -18
Coupling waveform	Damped oscillatory wave
Pulse voltage	4 kV (6kV need to be customized)
Coupling mode	4-pair unshielded symmetric
Coupling device	SCD 90 (90V gas discharge tube)
Communication frequency	10MHz, 100MHz, 1000MHz, 10MB, 100MB, 1000MB
Communication connector	RJ 45 female connector
Pin assignment	Pair 1: pins 1 / 2
	Pair 2: pins 3 / 4
	Pair 3: pins 5 / 6
	Pair 4: pins 7 / 8
Data rate	Up to 5 MBit /s
Working voltage	Max. 90V DC 3-90V
Working current	Up to 1A
Decoupling inductance	20 mH
Residual voltage	90 V
General data	
Weight	2.8 kg
Dimension	L×W×H 250 × 200 × 133 cm
Enclosure	Aluminum
Temperature	5°C - 40°C (operation condition)
Humidity	20% - 80% (operation condition)
Package	carton

Accessories		
HV cable	1m HV silicone line with banana plug	1
Earth cable	0.5m yellow green	1
short connection cable	black	1
SCD 90	Coupling module	8
Internet cable	1m	2
Documents	Factory test certificate	1
	User manual	1
Optional accessories		
SZC 33	Coupling module 33 nF	



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