

Coupling/Decoupling Networks for Screened Symmetrical Lines

CDN

ST8

Datasheet



In Compliance with

- > IEC61000-4-6
- > EN 61000-4-6
- > GB/T17626.6

Introduction

The CDN ST8 is designed according to IEC/EN 61000-4-6, which specifies clearly on the design and performance of coupling/decoupling networks. The CDN ST8 is applicable to 8-line (4-pair) shielded balanced lines.

Features

- > Maximum withstand current 1A;
- > Applicable to signal transmission rate of 1000 MBit/s;

Application Areas

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

Technical Parameters	
Frequency	150 kHz ~ 80 MHz
Max. AC Voltage (L-PE)	100 V
Max. DC Voltage (L-PE)	150 V
Max. Current	1 A
RF Input Terminal (BNC)	<20 V
EUT Port	RJ45
AE Port	RJ45
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 Disturbances Suppression (RF Port / AE)	
150 kHz:	>60 dB
1.5 MHz:	>60 dB
30 MHz:	>50 dB
80 MHz:	>50 dB
230 MHz	>40 dB

General Parameters	
Weight	Approx. 4 kg
Dimension	210 mm(L) x 170 mm(W) x 115 mm(H)
Enclosure Material	Aluminum
Ambient Temperature	15°C-35°C
Relative Humidity	45% - 75%
Package Case	Carton

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



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