

Pulse Group Coupling/ Decoupling Network

CDN-508SUS 【Introduction】

The CDN-508SUS is specifically designed as a manual coupling/decoupling network for lightning surge testing of unshielded symmetric lines. This network is a test equipment with high bandwidth and high communication rate. It is compact and designed to meet the testing requirements for the 1.2/50 μ s surge waveform. Additionally, it can satisfy the requirements of two different waveforms, with a rate up to 1000 MB and a bandwidth up to 200 MHz. It complies with the specifications outlined in IEC 61000-4-5 ed.3, Figure 11. Furthermore, it meets the demands of both waveform types, achieving a rate of up to 1000 MB and a bandwidth of up to 200 MHz, in accordance with the requirements of IEC 61000-4-5 ed.3, Figure 11.

Compliance Standards

IEC 61000-4-5 Ed.3 、 EN 61000-4-5 、 GB/T 17626.5 : 2019

Technical Features

- ◆ By switching impedances, it can simultaneously meet the testing requirements for 2-line, 4-line, and 8-line configurations;
- ◆ Designed for testing requirements of the 1.2/50 μ s waveform;
- ◆ Communication rate can reach up to 1000 MB;
- ◆ Maximum test voltage can reach up to 3 kV;
- ◆ Maximum bandwidth is 200 MHz.

Parameter List

Specification Model	CDN-508SUS
Standard-Compliant Graphic Number	IEC 61000-4-5 ed.3 Figure 11
Coupled Surge Waveform	1.2/50 μ s-8/20 μ s
Maximum Input Surge Voltage	6.6 kV
Maximum Input Surge Current per Channel	165 A per circuit
DUT Capacity	2-circuit, 4-circuit, and 8-circuit symmetrical signal cables
Port Type	Suitable for indoor/outdoor unshielded symmetrical cable networks

Communication Signal Bandwidth	≤ 200 MHz
Communication Rate	≤ 1000 MB
Dimensions	400*200*160 mm
Weight	20 kg