



CDN S900-10 COUPLING / DECOUPLING NETWORK (CDN) CDN S TYPE FOR 10 KHZ to 80 MHZ



IEC/EN 61000-4-6 specifies the design and performance of a range of coupling/decoupling networks (CDNs). Each CDN is specific to the type of cable and the intended signal carried on the cable. In addition to IEC/EN 61000-4-6 some standards require similar performance over the frequency range 10 kHz to 80 MHz.

Teseq offers CDNs also for this frequency range. Not listed CDNs may also available. Please contact Teseq for details.

The CDN S900-10 is made for screened data line with max. 9 wires and D-Sub 9 pins connector as used for example for RS232 applications.



CDN S900-10

- Used for screened cables
- Up to 9 lines
- Designed for IEC/EN 61000-4-6 with extended range form 10 kHz to 80 MHz
- Type with D-Sub sockets

Technical specifications

Frequency range:	10 kHz to 80 MHz
Power rating (EUT- and AE port)	
AC max. voltage (line to ground):	150 V
DC max. voltage (line to ground):	150 V
Current max :	250 mA
Test voltage:	500 V DC, 2 sec
Common mode impedance (EUT port)	
10 kHz to 26 MHz:	150 Ω ±20 Ω
26 MHz to 80 MHz:	150 Ω +60 Ω / -45 Ω
Coupling path (In/Out port/EUT)	
Connection:	BNC 50 Ω
RF voltage:	<20 V
Voltage division factor (RF input to EUT port)	
10 kHz to 80 MHz:	10 dB ±1 dB
Transmission bandwidth (wanted signal) EUT/AE B3 dB:*	> 20 kHz sin.
Decoupling of CM disturbance (RF port / AE)	
10 kHz to 80 MHz:	>60 dB

Mechanical specifications

Size (W x H x D):	100 mm x 100 mm x 240 mm
Weight:	approx. 1.5 kg

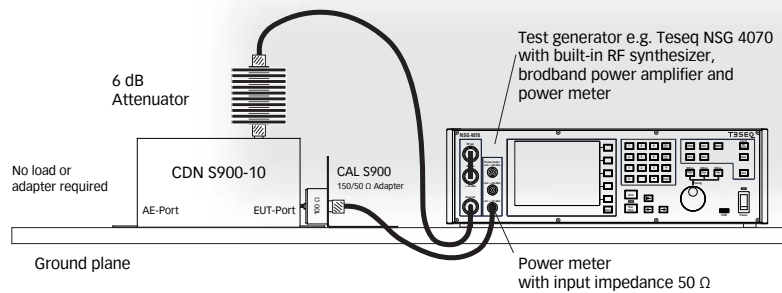


Advanced Test Solutions for EMC

CDN S900-10

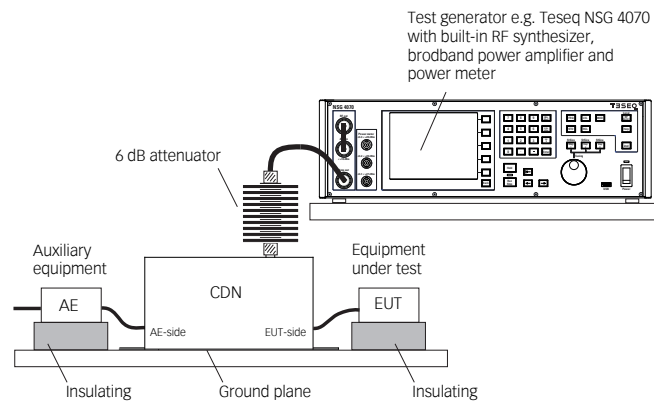
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Test set-up calibration with CDN S900



Connector CDN S900-10

EUT test set-up



Delivery information

Part number	Description
242478	CDN S900 CDN S9, 10 kHz-80 MHz (D-sub)
97-231024	CDN-TC Traceable calibration (ISO17025) for IEC 61000-4-6 requirements, order only with device CDN M, AF, S or T00x type
234076	CAL S900 Calibration unit for CDN S900 (150 Ω /50 Ω adapter)