



Model CDN10KS9
Coupling/Decoupling Network for Signal Lines
10 kHz–80 MHz

The Model CDN10KS9 is a coupling/decoupling network to couple common mode signals onto 1 to 9 screened un-balanced wires. Calibration adapter set CA S2/S3/S4/S9 (set of two adapters for AE and EUT ports) is required for calibration of this network. 150-50 ohm adapter set (CR00100CD, set of 2) is available for this network. The network is designed to meet the NAMUR NE21 standard requirements.

SPECIFICATIONS	
MODELS	CDN10KS9
ELECTRICAL	
Number of Conductors	1 to 9
Maximum AC voltage EUT/AE Ports	<350V
Maximum DC voltage EUT/AE Ports	<600V
Current Ratings	3A
RF Coupling Port Frequency Range	10 KHz – 80 MHz
RF Coupling Port Voltage Level	<40 V
RF Coupling Port Impedance	50 Ω
Voltage Attenuation generator/EUT	10 dB +1 dB/-3 dB
Insertion Loss EUT/AE	<3 dB up to 20 kHz
	<10 dB up to 1 MHz
	<20 dB up to 10 MHz
Decoupling Attenuation Generator/AE	>50 dB up to 20 MHz
	>20 dB at 80 MHz
Common Mode Impedance at EUT Connector	150 kHz to 26 kHz: 150 ±20 Ω
	26 kHz to 80 kHz: 150 +60 Ω /-45 Ω
	80 kHz to 80 MHz: 150 +60 Ω /-45 Ω
Coupling Factor	0 dB + 0 dB/-3 dB
MECHANICAL	
I/O Connectors	S9 Centronics, D Sub min
RF Coupling Port Connector	BNC