



**Model CDN S Series
Coupling/Decoupling Network for Signal Lines
150 kHz–230 MHz**

The Model CDN S Series are coupling/decoupling networks to couple common mode signals onto screened un-balanced wires. Models exist for 2 to 25 conductors. The networks are designed to meet the IEC 61000-4-6 standard requirements. Calibration adapter sets (set of two adapters for AE and EUT ports) are required for calibration of these networks. 150-50 ohm adapter set (CR00100CD, set of 2) is available for these networks. A CDN model is also available for performing conducted susceptibility testing of EUT's with USB ports. The CDN S-USB is configured with USB 3.0 AE and EUT ports, and is backwards-compatible for testing of devices using USB 1.0 or USB 2.0 ports.

The export classification for this equipment is EAR99. These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

SPECIFICATIONS						
MODELS	CDN S2	CDN S3	CDN S4	CDN S9	CDN S15	CDN S25
ELECTRICAL						
Number of Conductors	2	3	4	9	15	25
Calibration Adapter Set	CA S2/S3/S4/S9				CA S15	CA S25
Maximum AC voltage EUT/AE Ports				<350V		
Maximum DC voltage EUT/AE Ports				<600V		
Current Ratings				3A		
RF Coupling Port Frequency Range				150 KHz–230 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 230 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 230 MHz: 150 +60 Ω /-45 Ω		
Coupling Factor				0 dB + 0 dB/-3 dB		
MECHANICAL						
I/O Connectors (AE & EUT)	S9 D Sub mini	S9 D Sub mini	S9 D Sub mini	S9 D Sub mini	S9 D Sub mini	S9 D Sub mini
RF Coupling Port Connector				BNC		

MODELS	CDN S-USB
ELECTRICAL	
Calibration Adapter Set	CA S-USB
RF Coupling Port Frequency Range	150 KHz–230 MHz
RF Coupling Port Maximum Power	9W
RF Coupling Port Maximum Voltage	30V
RF Coupling Port Impedance	50 Ω
Voltage Division Factor	150 kHz to 80 MHz: 10 dB +1 dB
	80 MHz to 230 MHz: 10 dB +3 dB/-2 dB
Common Mode Impedance	150 kHz to 26 MHz: 150 ±20 Ω
	26 MHz to 230 MHz: 150 +60 Ω/-45 Ω
MECHANICAL	
I/O Connectors (AE & EUT)	USB 3.0 Type A
RF Coupling Port Connector	BNC