



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 unbalanced 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.

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		CA52/53/54/59			CA515	CA525
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 \pm 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	S9	S9	S9	S9	S15	S25
	Centronics, D Sub min	Centronics, D Sub min	Centronics, D Sub min	Centronics, D Sub min	Centronics, D Sub min	Centronics, D Sub min
RF Coupling Port Connector				BNC		