



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

The Model CDN AF Series are coupling/decoupling networks to couple common mode signals onto un-screened un-balanced wires. Models exist for 2 to 8 cables. 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.

MODELS	SPECIFICATIONS			
	CDN AF2	CDN AF3	CDN AF4	CDN AF8
ELECTRICAL				
Number of Conductors	2	3	4	8
Calibration Adapter Set	CA AF3	CA AF3	CA AF4	CA AF8
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	<0.5 dB DC to 20 kHz <30 dB at 150 kHz <20 dB at 230 MHz			
Decoupling Attenuation Generator/AE	>50 dB up to 30 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	Multi Contact Safety Socket Audio Socket			
RF Coupling Port Connector	BNC			