



**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.

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.

MODELS	SPECIFICATIONS			
	CDN AF2	CDN AF3	CDN AF4	CDN AF8
<b>ELECTRICAL</b>				
Number of Conductors	2	3	4	8
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 MHz: 150 ±20 Ω			
	26 MHz to 80 MHz: 150 +60 Ω /-45 Ω			
	80 MHz to 230 MHz: 150 +60 Ω /-45 Ω			
Coupling Factor	0 dB + 0 dB/-3 dB			
<b>MECHANICAL</b>				
I/O Connectors	Multi Contact Safety Socket		9 pin D female	
RF Coupling Port Connector	BNC			
<b>AVAILABLE ACCESSORIES (Ordered separately)</b>				
Calibration Adapter Set	CA AF2	CA AF3	CA AF4	CA AF8
150-50 Ω adapter set	CR00100CD			