



Model CDN T Series
Coupling/Decoupling Network for Telecom Lines
150 kHz–230 MHz

The T series CDN is used to couple RF CW and modulated signals into balanced or unshielded lines. It permits normal operation of balanced circuits with impedance to 600 Ω up to 1 MHz and 1000 Ω impedance up to 100 kHz. It is available in 2, 4 or 8 line configurations. The networks are designed to meet the Telcordia GR1089-CORE 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 T2	CDN T4	CDN T8
ELECTRICAL			
Number of Conductors	2	4	8
Calibration Adapter Set	CA T2	CA T4	CA T8
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	
Unbalanced Attenuation Generator/EUT		>70 dB at 150 kHz	
		>60 dB at 1 MHz	
		>40 dB at 10 MHz	
		>35 dB above 20 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	Multifunctional connector	RJ45	RJ45
RF Coupling Port Connector		BNC	