

DCC Series®

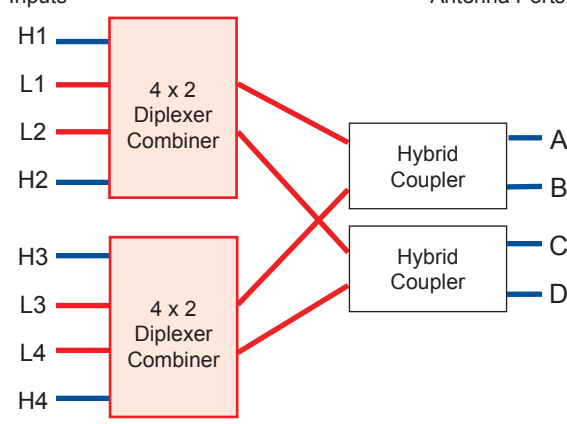
- ◆ Input bands for Cellular & LTE: 700/800/900 & 1800/1900/UMTS to 2170 MHz
- ◆ 8 Inputs to 4 Combined Outputs
- ◆ Lossless Concept, Guaranteed PIM
- ◆ High Reliability, RoHS
- ◆ Standard 2RU EIA Rack (3.5")



These broadband RF Combiners have been designed to meet the neutral host needs of in-building systems, with low passive intermodulation (PIM). The system combines up to 8 wireless carriers in the operating bands to 4 multiple antenna feeds or distribution cables. One quarter of each input appears on all four outputs, with a dissipated path loss of less than 0.5 dB. Standard unit, DCC610DN, has DIN female input connectors but is also available in N as DCC610N. (10/13)

Inputs

H1, L1, L2, H2, H3, L3, L4, H4



Antenna Ports

A, B, C, D

	Model Numbers/Connectors		
	DCC610N	DCC610D	DCC610DN
Inputs	N (f)	7-16 (f)	7-16 (f)
Outputs	N (f)	7-16 (f)	N (f)

Inputs L1 to L4: 698 - 960 MHz, Low Band
 Inputs H1 to H4: 1710 - 2170 MHz, High Band
 Input Isolation, dB: Within Band: 25 dB min.
 Between Bands: >55 dB
 Input Return Loss: >17.7 dB (>21 dB typical)
 Coupling (In-Out): 6.2±1.2dB, all paths
 Output Return Loss: >15.6dB
 Power per input: <50W avg, 3 kW pk, total: <200W avg.
 Impedance: 50Ω nominal
 Environment: -15°C to +65°C, Indoor
 PIM (Intermod): <-150 dBc (+43dBm x2)
 Finish: Housing: RoHS coated aluminum
 Connectors: Triplate, N
 Weight: 15 lbs (7 kg) nominal