

- ◆ Connects 4 inputs (same side) to 4 outputs (opposite side) for neutral hosting of DAS
- ◆ 25 dB Isolation, Low VSWR
- ◆ Wideband, Low Specified PIM
- ◆ 100W/input avg Power Rating
- ◆ Convenient connector spacing
- ◆ RoHS Compliant



CM-84N

Model Number N conn	7-16 mm	Frequency Range, MHz	Coupling dB
CM-84N	CM-84D	698 - 2,200 2,200 - 2,700	6.0 ± 0.6 6.0 ± 0.9
CM-94N	CM-94D	380 - 520	6.0 ± 0.6

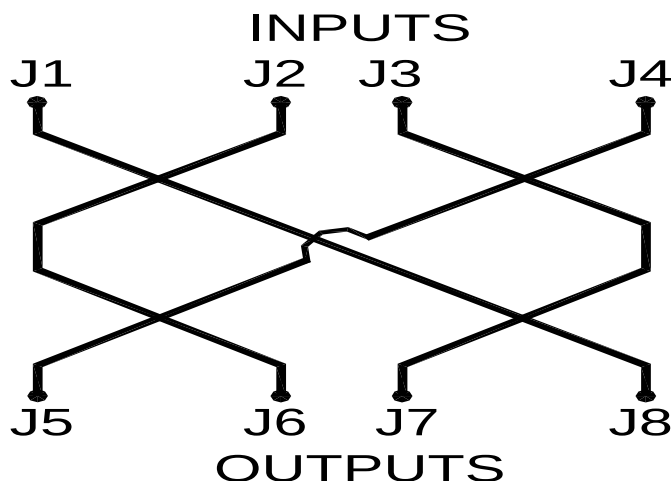
The 4x4 Hybrid is a matrix of four 3 dB Hybrid Couplers arranged so that signals applied to any of the four inputs will be split equally between the four outputs. This allows simple combining of multiple signals in the same wireless band to a common feeder cable, as might be required in a neutral host in-building distributed antenna system. Unused ports must be terminated externally in 50Ω.

Special attention has been directed in these versions to maximize isolation across the wireless bands and minimize passive inter-modulation (PIM).

Mechanically, all inputs are on one side of the box and the outputs on the opposite face, for simple connection into the DAS distribution system. (04/10)



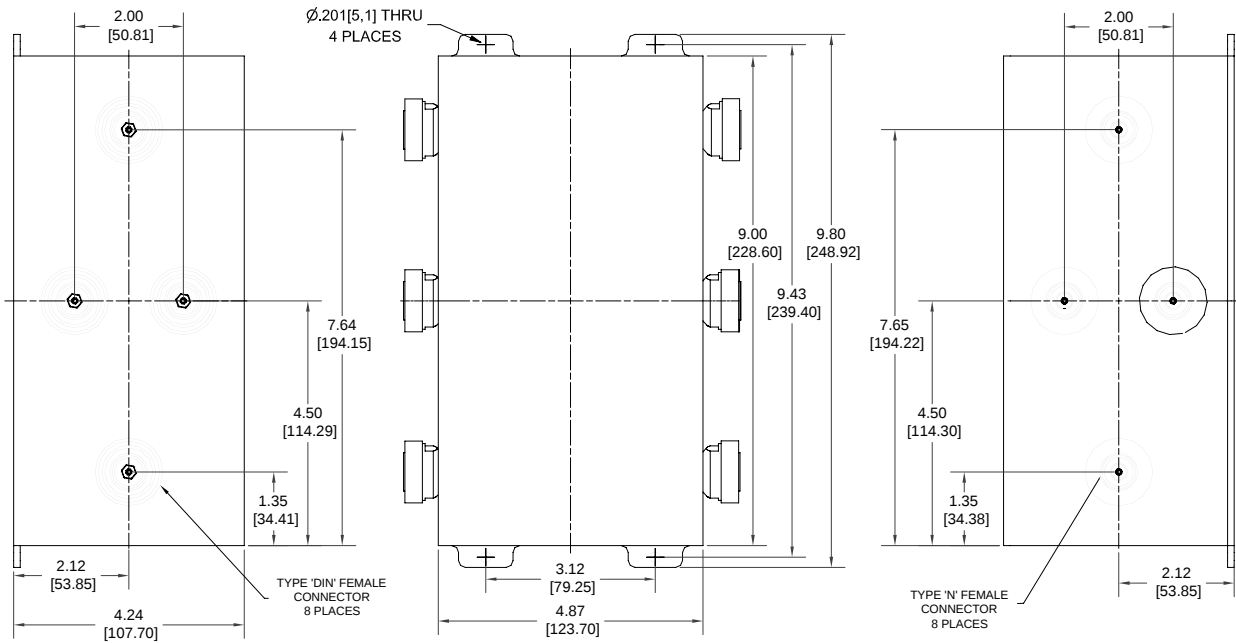
CM-84D



Isolation: >25 dB
Input VSWR: <1.20:1
Dissipative Loss: <0.3 dB
Impedance: 50Ω nominal
Temperature: -35°C to +65°C
Environment: IP65
PIM, Intermod: <-150 dBc* (tested with two 20W tones)

Power per Input:
CM-84: 80 W avg, 1.5 kW pk
CM-94: 100W avg, 3 kW pk
Finish: Enclosure: Anodized aluminum
Connectors: Triplate
Weight, nom: 7.2 lb; 3.3 kg

*PIM <-160 dBc to special order

CM-84D and N Outline

CM-94D Outline
