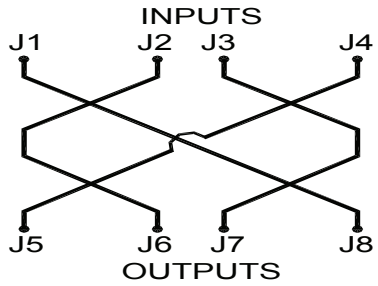
4x4 Isolated Combiner, CM-84/94 ser.

4 x 4 Hybrid Matrix, Combiner & Splitter
698 - 2,700 MHz or 380 - 520 MHz

- 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

Inside Model Number N conn	Inside Model Number 7-16 mm	Outside Model Numbers N conn	Outside Model Numbers 7-16 mm	Frequency Range, MHz	Coupling dB
CM-84N	CM-84D	CM-84NP	CM-84DP	698 - 2,200 2,200 - 2,700	6.0 ± 0.6 6.0 ± 0.9
CM-94N	CM-94D	CM-94NP	CM-94DP	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 50W.

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

Outside models moisture seal all the inside components to meet IP67. 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. (08/12)

Isolation:	>25 dB
Input VSWR:	<1.20:1
Dissipative Loss:	<0.3 dB
Impedance:	50W nominal
Temperature:	-35°C to +65°C
Environment:	IP65 Indoor models IP67 Outdoor models
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

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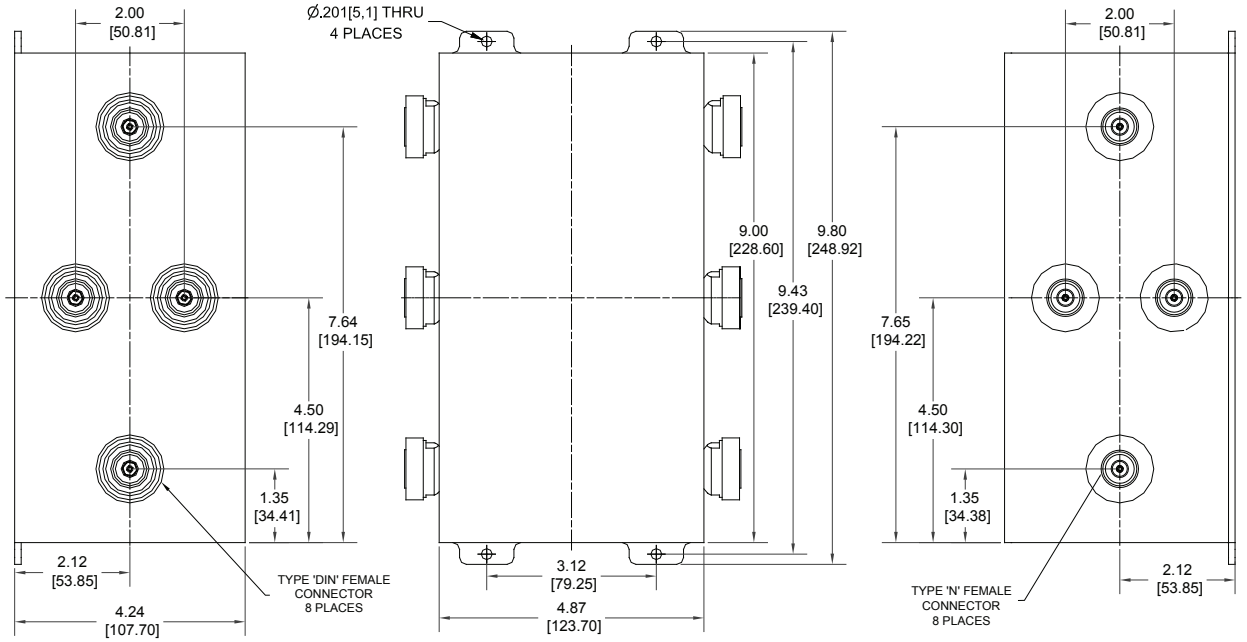
CM-84D and N Outline



CM-94D Outline