

- ◆ Combine 4 inputs to 4 outputs
- ◆ 150W/Input Average Power
- ◆ Up to 23 dB Isolation
- ◆ Low Specified PIM, -161 dBc
- ◆ IP64 Indoor Environment
- ◆ Low VSWR, Low Loss
- ◆ RoHS compliant

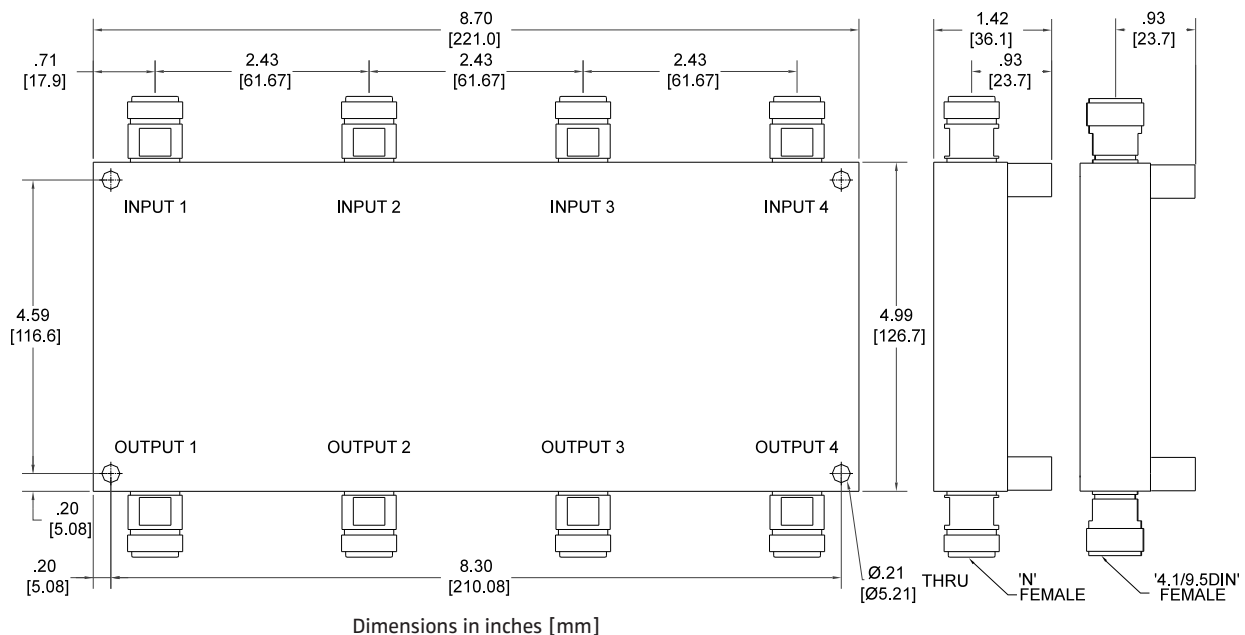


The 4x4 Hybrid is a matrix of Hybrid Couplers arranged so that signals applied to any of the four inputs will be split equally between the four outputs. This allows combining of multiple signals in the same wireless band to a common feeder cable, as might be required in a neutral host in-building distributed antenna system. Unused output ports must be terminated externally in 50Ω, with an appropriate PIM performance. Note that the phase relationship of the outputs in this model is not consistent.

Special attention has been directed to maximize isolation in the wireless bands and minimize passive intermodulation (PIM). Unit also available with 7-16 DIN or N connectors as part of the **CM-x8D** or **CM-x8N** series.

Impedance:	50Ω nominal
PIM, Intermod:	-161 dBc (two 20W tones)
Environment:	-40 to +55°C
Housing Finish:	Indoor/IP64: Passivated Al. Outdoor/IP67: Painted
Connectors:	Add P to Model No. Triplate

Model Number	Frequency Range, MHz	Coupling dB	Input Isolation* typical	min	Return Loss, dB	Power per Input Avg.	Peak	Weight, nom. lbs. (kg)
4.3-10	†4.1-9.5							
<b>CM-88E</b>	<b>CM-88C</b>	694 - 800 800 - 2600 2600 - 2700	6.0 ± 1.8 6.2 ± 1.2 6.4 ± 1.4	23 dB	20 dB	>18 dB	150W 3kW	4.9 (2.2)
†Mini-DIN connectors		*Requires all unused ports to be terminated with loads having return loss > 32dB						



Note: Specifications are subject to change without prior notification.

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