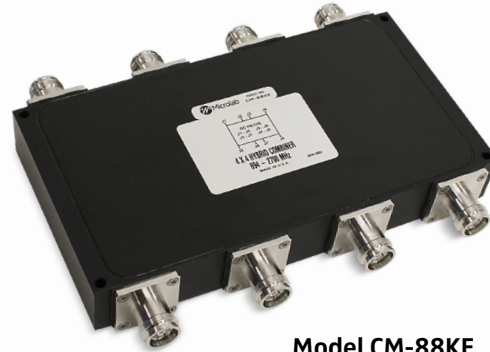


- ◆ Combine 4 inputs to 4 outputs
- ◆ 150W/Input Average Power
- ◆ Up to 23 dB Isolation
- ◆ Guaranteed Low PIM
- ◆ Outdoor Salt Fog qualified
- ◆ 4.3-10 & 7/16 DIN connector
- ◆ RoHS compliant



Model CM-88KE

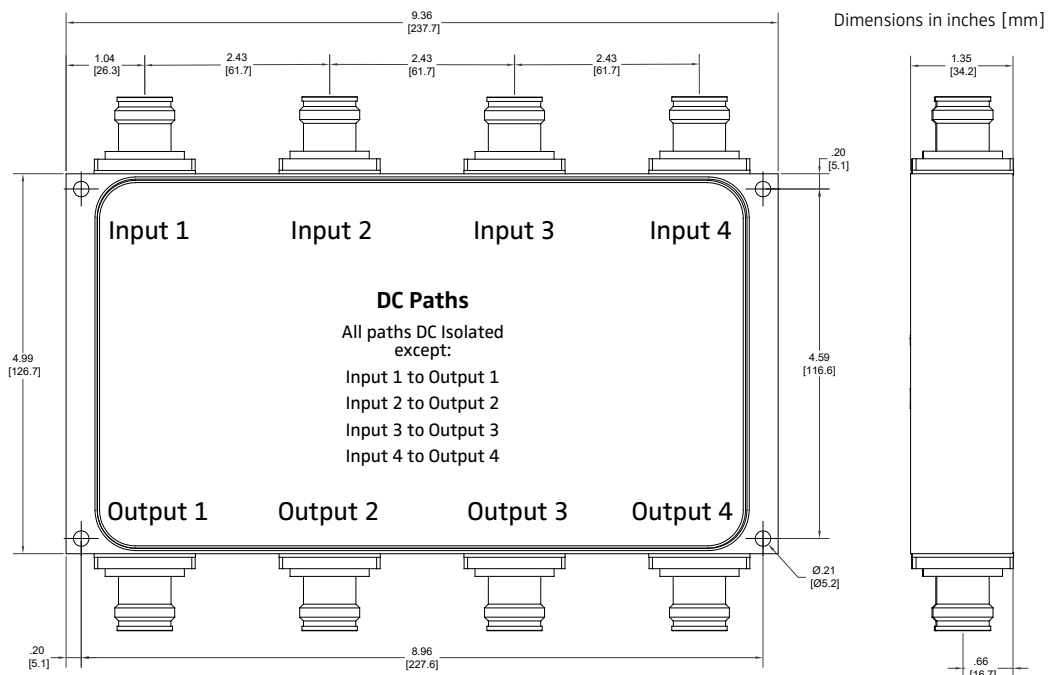


The 4x4 Hybrid is a matrix of hybrid couplers arranged so that signals applied to any of the four inputs will be split equally between the four outputs. This allows combining of multiple signals in the same wireless band to a common feeder cable. Unused output ports must be terminated externally in 50Ω, 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). This product is designed for harsh outdoor applications in corrosive salt fog environments. For ultra-wideband applications refer CM-141E.

Impedance:	50Ω nominal
PIM:	-161 dbc(-118 dBm) min (Test 2x +43dBm tones)
Environment:	-40 to +55°C, IP68 30 day salt fog IAW ASTM-B117
Housing Finish:	Black Anodized
Connectors:	Triplate

Model Number	Frequency Range, MHz	Coupling dB	Input Isolation* typical	Return Loss, dB	Power per Input Avg.	Weight, nom. lbs. (kg)
4.3-10	7-16					
CM-88KE	CM-88KD	617 - 694	6.0 ± 2.5	23 dB	150W	8.8 (4.0)
		694 - 800	6.0 ± 1.8			
		800 - 2600	6.2 ± 1.2			
		2600 - 2700	6.4 ± 1.4			
*Requires all unused ports to be terminated with loads having return loss > 32dB						



Note: Specifications are subject to change without prior notification.

24JUL2020