4 x 4 Hybrid Combiner, CM-141E

Ultra-wideband Compact Hybrid Combiner
617-5,925 MHz, 4.3-10 or 2.2-5
Rev. H

- Ultra-wideband for 5G Small Cell and D-RAN applications
- Guaranteed Low PIM
- High Isolation and Low VSWR
- 300 Watt per Input
- IP67 Rated



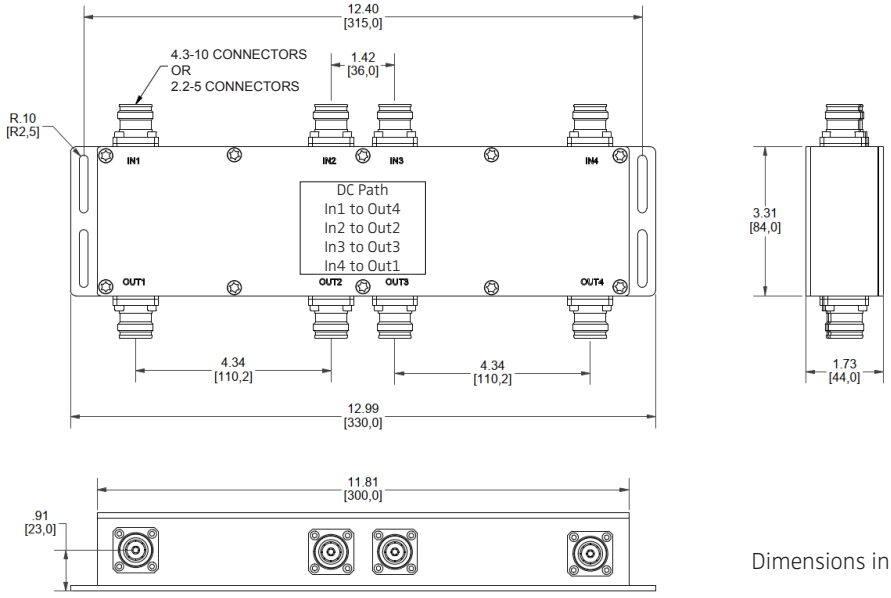
Model No.	Connector	Configuration	Weight nom. lbs [kg]
CM-141E	4.3-10 (f)	Wall mount	4.69 [2.13]
CM-141G	2.2-5 (f)	Wall mount	4.48 [2.03]
CM-141E-1R	4.3-10 (f)	Rack mount	5.07 [2.30]

Microlab CM-141 hybrid combiner has been designed for wideband 5G deployments. The CM-141 covers an ultra-wide bandwidth of 617 - 5,925 MHz with small size for easier concealment. The hybrid combiner is most commonly is used to combine up to four wireless carriers in the operating band to multiple antenna feeds or distribution cables. Unused input and output ports should be terminated with low PIM loads.

VSWR and isolation have been optimized while passive intermodulation (PIM) is minimized. Input and output connectors have been separately grouped for convenient connection and each connector is spaced to allow controlled wrench tightening of connectors. Also available in rack mount configuration as CM-141E-1R.

Frequency:	617-5925 MHz
Coupling & Loss:	6.2 dB ± 1.3 dB max
Isolation:	23 dB min (617-4000 MHz)
	21 dB min (4000-5925 MHz)
Return Loss:	16.5 dB min
PIM:	-161 dBc (-118 dBm) min.
	(Tested with 2 tones at +43 dBm)
Power/Port:	300W
	3kW peak
Impedance:	50Ω nom.
Environment:	-35°C to +65°C, IP67
Housing:	Light Gray Paint
Connectors:	4.3-10 (f) or 2.2-5 (f) Triplate
Dimensions:	
CM-141E/G:	330 x 84 x 44 mm
	[12.9 x 3.31 x 1.73 in]
CM-141E-1R:	1RU, 19" Rackmount

CM-141E / CM-141G Outline



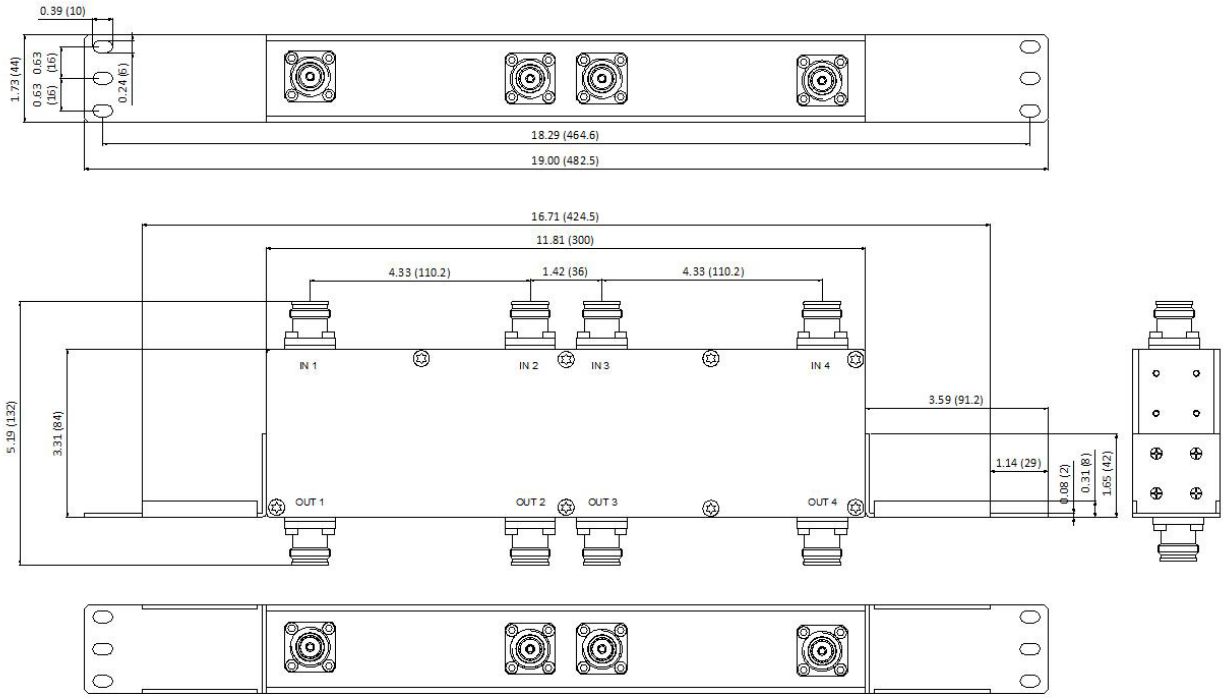
Dimensions in Inches [mm]

Note: Specifications are subject to change without prior notification.

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CM-141E-1R Outline



Dimensions in inches (mm)

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