

\$ Saver Product Line

- ◆ Multi-Band Range
- ◆ Low VSWR and Loss
- ◆ Low Specified PIM
- ◆ Up to 23 dB Isolation
- ◆ 200W/Input Continuous Avg. Power
- ◆ High Reliability, Moisture sealed
- ◆ RoHS compliant



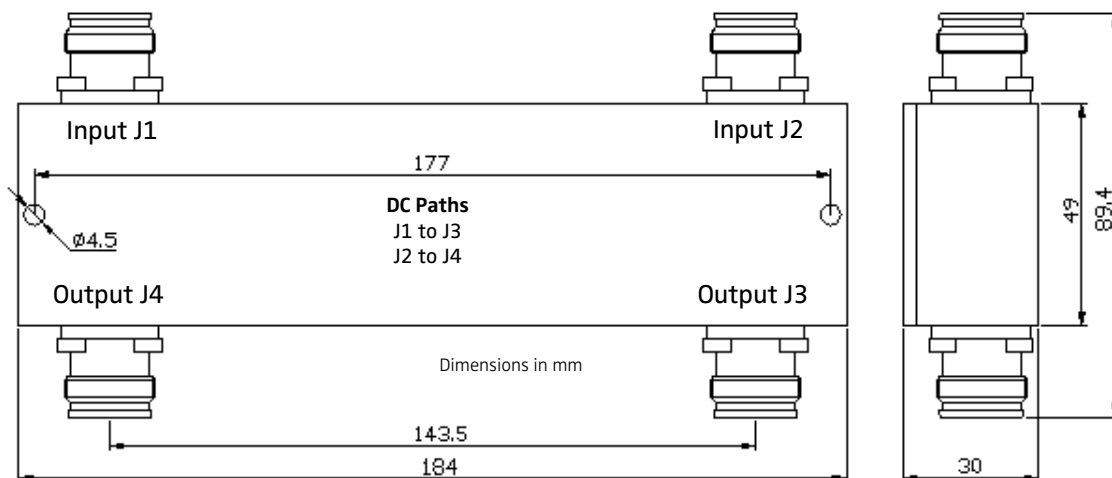
Microlab Model Hybrid Couplers have been designed to meet the special needs of the wireless market. They are most commonly used to combine two wireless carriers in the operating band to a single antenna feed or distribution cable. This requires the termination of one output port in 50Ω and results in a 3 dB loss in each signal. In situations where two similar feeds are required, as required for an in-building application, both outputs may be used eliminating the need for a termination and the 3 dB loss. For low PIM terminations see TK-20 series.

This CA-16 series has been designed for systems requiring signal combining over all the wireless bands from 350 to to 2,700 MHz. Isolation has been maximized and passive intermodulation (PIM) minimized.

Coupling:	3 dB nominal
Power/Input:	200W CW Avg.
Impedance:	50Ω nominal
Environment:	-25°C to +80°C, IP65
PIM (Intermod):	-161 dBc (-118 dBm)
	Test with 2x +43 dBm tones
Finish:	RoHS compliant
Housing:	Black Paint
	Passivated aluminum
Connectors:	Triplate, (f)
Weight:	
4.3-10	1.59 lbs. (0.72 kg)
7/16 DIN	2.27 lbs. (1.03 kg)
N-type	1.48 lbs. (0.67 kg)

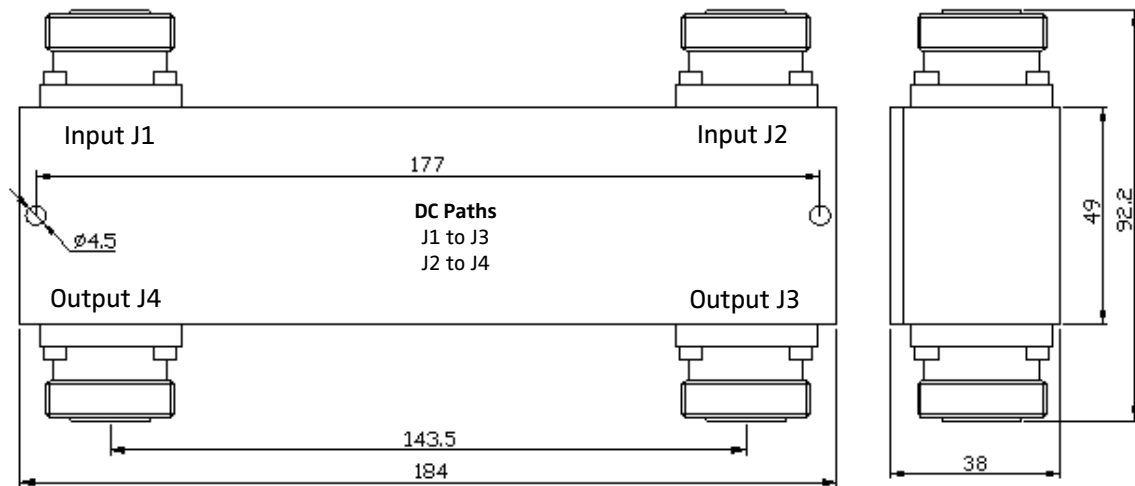
Model Number/Connector	Frequency Range, MHz	Isolation dB	Coupling & Loss, dB	VSWR Max		
4.3-10	7-16	N-type				
CA-16E	CA-16D	CA-16N	350 - 380	>23 dB	3.1 ± 1.4	1.20:1
			380 - 2,700	>23 dB	3.1 ± 0.9	1.20:1

CA-16E Outline

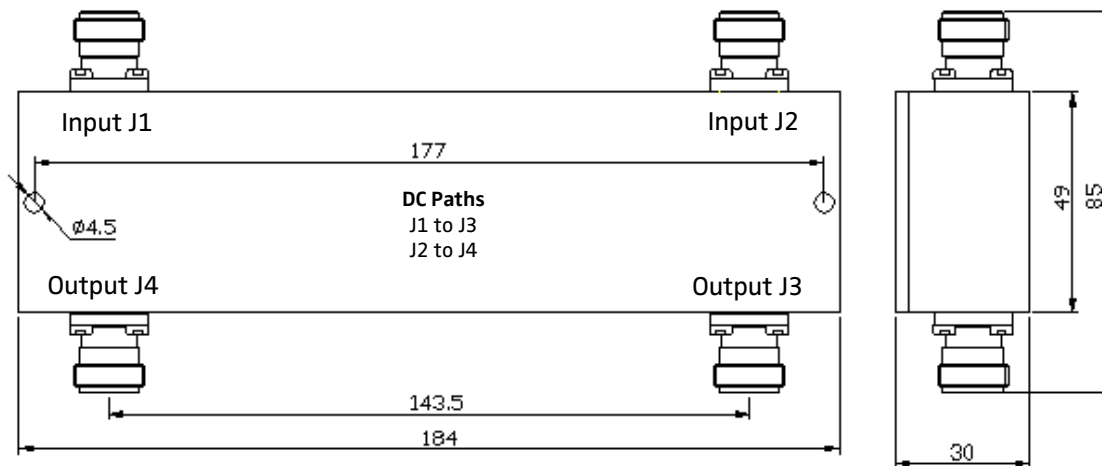


Note: Specifications are subject to change without prior notification.

26JAN2018

CA-16D Outline


Dimensions in mm

CA-16N Outline


Dimensions in mm