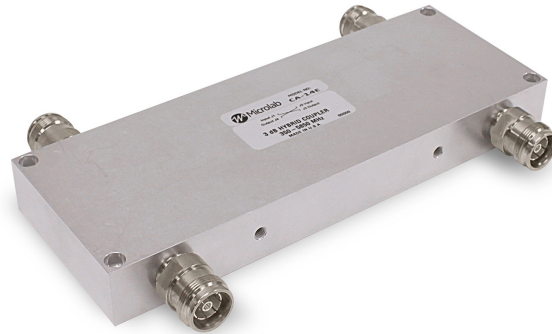


- ◆ Multi-Band Range
- ◆ High Isolation, Low VSWR and Loss
- ◆ Low Specified PIM
- ◆ 200 Watt per Input Continuous Average Power up to 2.1 GHz[†]
- ◆ Meets European Rail Standard EN50155:2001 (Class Tx)
- ◆ High Reliability, Moisture sealed
- ◆ RoHS compliant



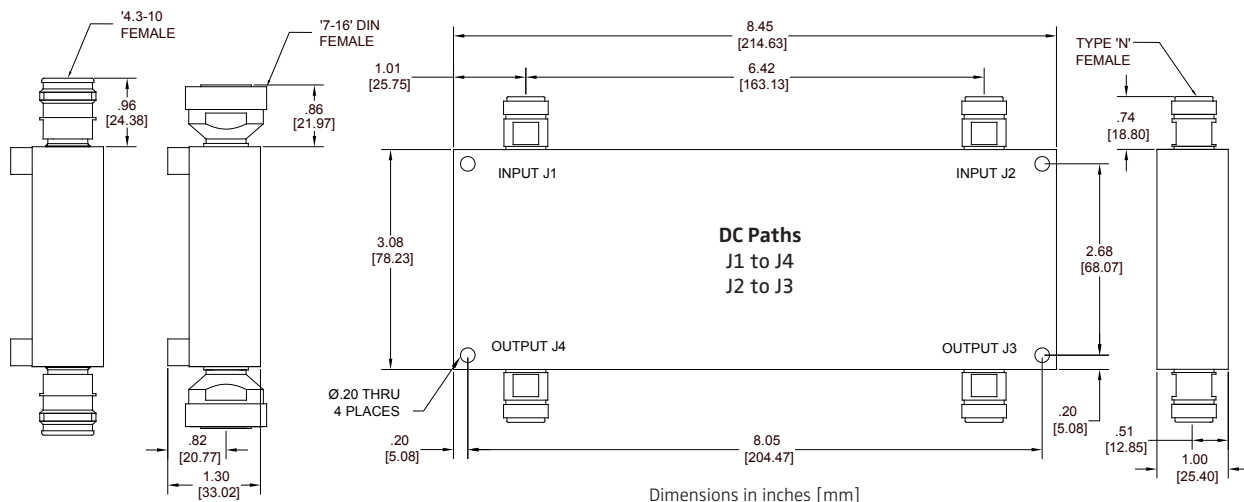
Microlab Model Hybrid Couplers have been designed to meet the special needs of the wireless market. They are most commonly used to combine two wireless carriers in the operating band to a single antenna feed or distribution cable. This requires the termination of one output port in 50Ω and results in 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-14 series, which now incorporates the wider frequency range of the CA-13 series, has been designed for systems requiring signal combining over all the wireless bands from 350 to to 5,850 MHz. Isolation has been maximized and passive intermodulation (PIM) minimized.

Model Number/Conn	Frequency Range, MHz	Isolation dB	Coupling & Loss, dB	VSWR Max
7-16 N 4.3-10	350 - 1,500	>25 dB	3.2 ± 0.5	1.20:1
	1,500 - 2,500	>20 dB	3.4 ± 0.5	1.30:1
CA-14D CA-14N CA-14E	2,500 - 2,700	>18 dB	3.5 ± 0.7	1.50:1
	2,700 - 4,900	>18 dB	3.6 ± 0.8	1.50:1
	4,900 - 5,850	>18 dB	3.6 ± 1.0	1.50:1

*Units also available with male output connectors.

Coupling:	3 dB nominal
Power/Input:	200W up to 2.1 GHz [†] , 3.0 kW pk
Impedance:	50Ω nominal
Environment:	-40°C to +70°C, IP64
PIM (Intermod):	-161 dBc (+43dBm x2)
Finish: Housing:	Passivated aluminum
Connectors:	Triplate, (f)
Weight, nom:	2.65 lb., 1.20 kg
	[†] De-rated by 13.3 W per 1 GHz from 2.1 to 5.85 GHz (max 150 Watts/input at 5.85 GHz)



Note: Specifications are subject to change without prior notification.

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