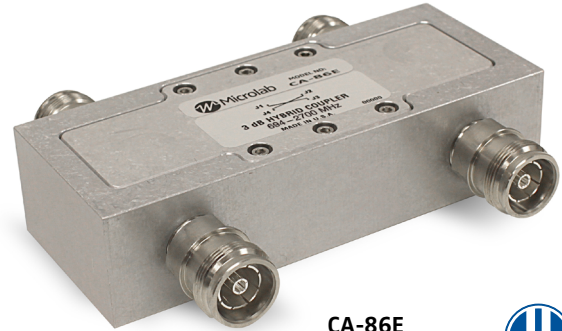


- ◆ Wide-band coupler to enable DAS deployments
- ◆ Guaranteed Low PIM
- ◆ High Isolation and Low VSWR
- ◆ 250 Watt per Input
- ◆ 4.3-10 & N-type connectors
- ◆ IP67 Rated
- ◆ RoHS compliant



CA-86E



The CA-86 series hybrid coupler has been designed to meet the unique higher power needs for wireless networks. The most common use is to combine two wireless carriers in the band to a single antenna feed or distribution cable. It requires the termination of one output port resulting in a 3 dB loss in each signal. Note that the termination must have a return loss of at least 25 dB and PIM below -161 dBc for the isolation and PIM performance to be maintained. A high power low PIM cable load appropriate to the power dissipation is recommended to retain this performance. Request Microlab TK series products.

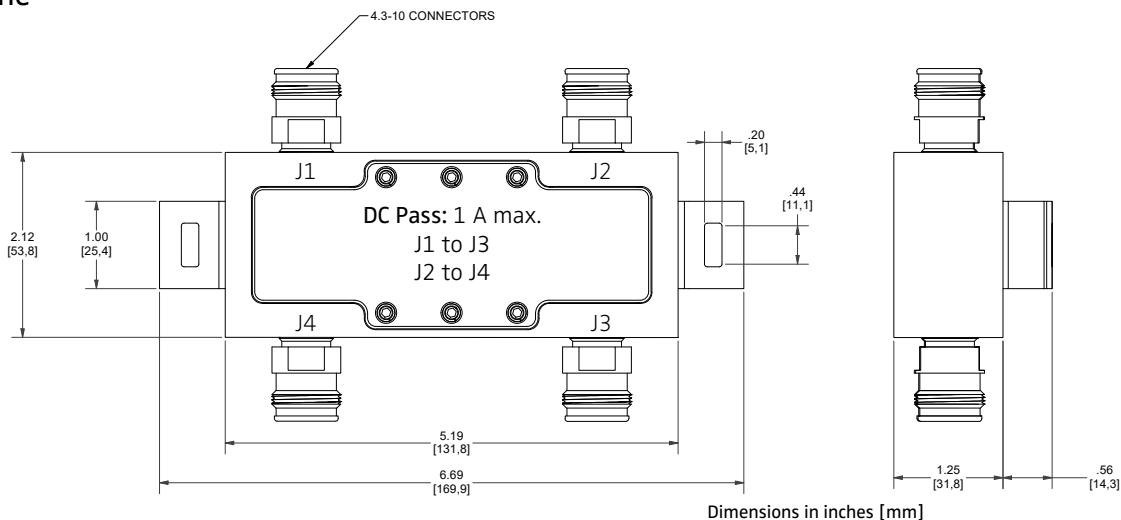
Connectors are spaced to allow controlled wrench tightening, are available with alternate genders. Add suffix P to Model No. (e.g., CA-86EP) for outdoor environments.

Model No.	Connector	Isolation (dB)	Weight lbs (g)
CA-86E	4.3-10(f)	~25, >23	1.58 (716)
CA-86N	N-type(f)	~23, >20	1.49 (675)

Add 'P' to Model Number for Painted

Frequency:	694 - 2700 MHz
Coupling:	3 dB nom.
Sensitivity:	±0.6 dB
Dissipative Loss:	0.3 dB max.
VSWR:	1.20:1 max.
PIM:	-161 dBc (-118 dBm) min.
	(Test with 2x 1900 Mhz, +43 dBm tones @ ambient)
Power:	250 W max./input, 1.5 kW peak
Impedance:	50 Ω nom.
Environment:	-35 to +65°C, IP67
Housing:	Passivated Aluminum
RoHS:	Compliant
Connectors:	Triplate
Dimensions:	5.19 x 2.12 x 1.25 inches [131.8 x 53.8 x 31.8 mm]

Outline



Note: Specifications are subject to change without prior notification.

11NOV2021