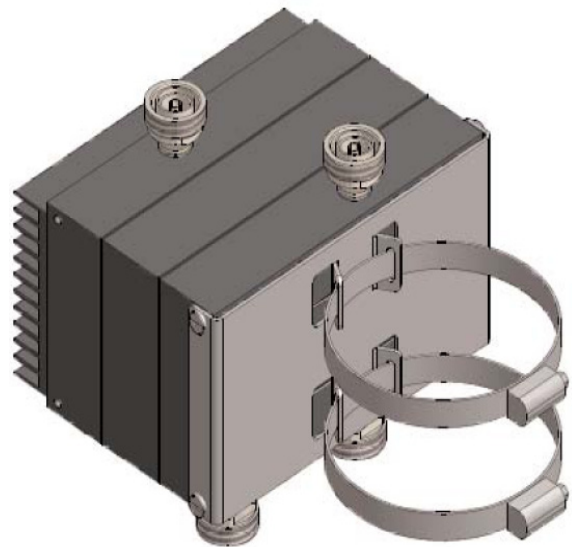


- ◆ Dual Hybrid-Load Combiners
- ◆ Weathersealed Design, IP67
- ◆ Low PIM Performance using Cable Load
- ◆ High Isolation, Low VSWR and Loss
- ◆ 160 W Total Average Power Rating
- ◆ High Reliability, RoHS compliant



**Pole Mounting Bracket Assembly
(Optional)**

The CU-84 is based on packaging two CT-84 assemblies of broadband, high isolation Hybrid Couplers and low PIM cable loads using a single weatherproofed housing.

Each combiner combines two wireless carriers in the band to a single antenna feed or distribution cable with minimum intermodulation. The cable load terminates one hybrid output port in 50Ω and results in a 3 dB loss in each signal. Maximum power from the two inputs is 160W or 80W/input.

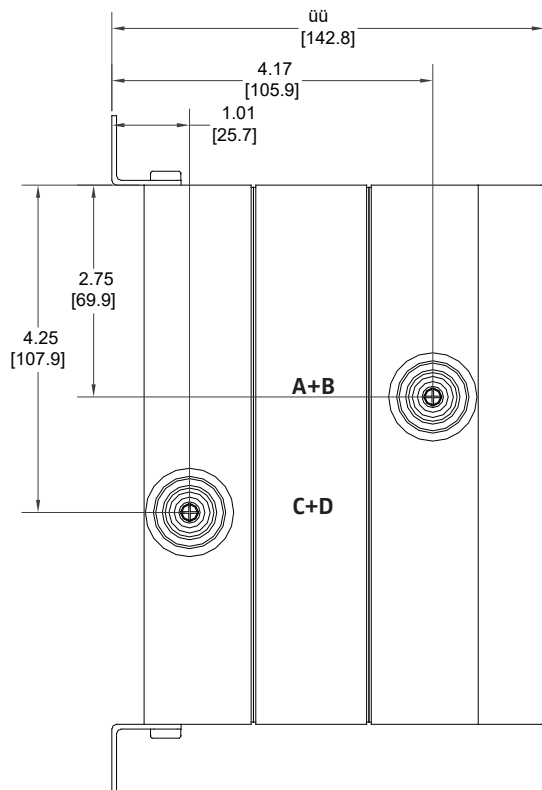
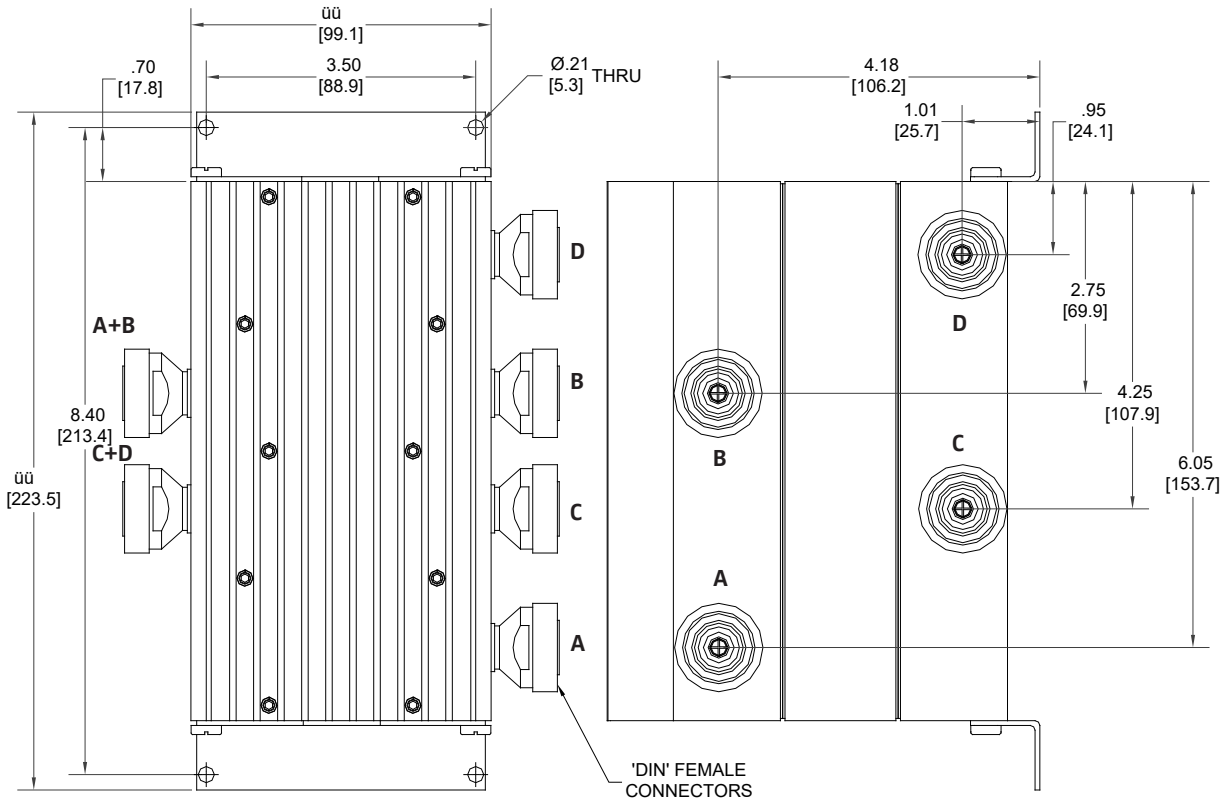
Coupling Loss:	3 dB nominal
Sensitivity:	±0.40 dB
PIM Intermod:	-161 dBc (tested at 1850 MHz with 2 +43dBm tones)
AISG/DC Continuity:	Input A/D, 2.0A max. per input
Impedance:	50Ω nominal
Environment:	-35°C to +75°C, IP67
Housing:	Passivated aluminum
Connectors Finish:	Triplate

Model Number	Connectors	Frequency Range, MHz	Input Isolation typical	Input Isolation minimum	VSWR Max	Dissipative Loss	Total Max. Avg.*	Power Peak	Weight lb (kg) nom.
CU-84D	7-16 (f)	694 - 2170 2400 - 2700	>30dB	>25dB	1.2:1	<0.2 dB	160W	3.0 kW	12.5 (5.7)
CU-84E	4.3-10 (f)	694 - 2170 2400 - 2700	>30dB	>25dB	1.2:1	<0.2 dB	160W	3.0 kW	12.5 (5.7)

Specification applies to each combiner load assembly *Derate -1.2%/°C above 55°C

Note: Specifications are subject to change without prior notification.

06JUN2016

CU-84D Outline


DC Paths
 Between D and (C+D)
 Between A and (A+B)