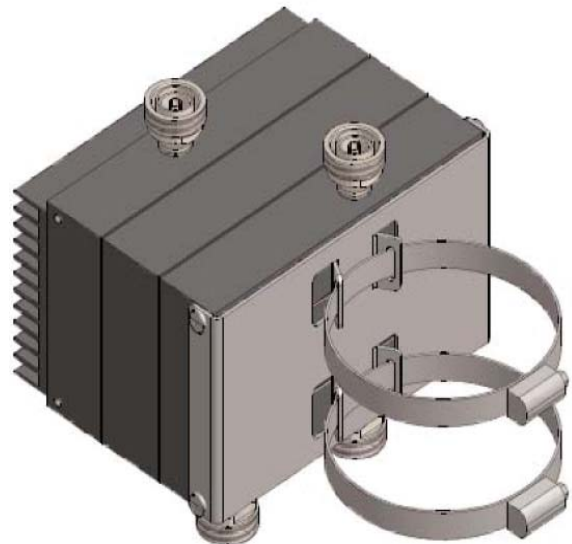


- ◆ Dual Hybrid-Load Combiners
- ◆ Weathersealed Design, IP67
- ◆ Low PIM Performance using Cable Load
- ◆ High Isolation, Low VSWR and Loss
- ◆ 160 W Total Average Power Rating
- ◆ High Reliability, RoHS compliant



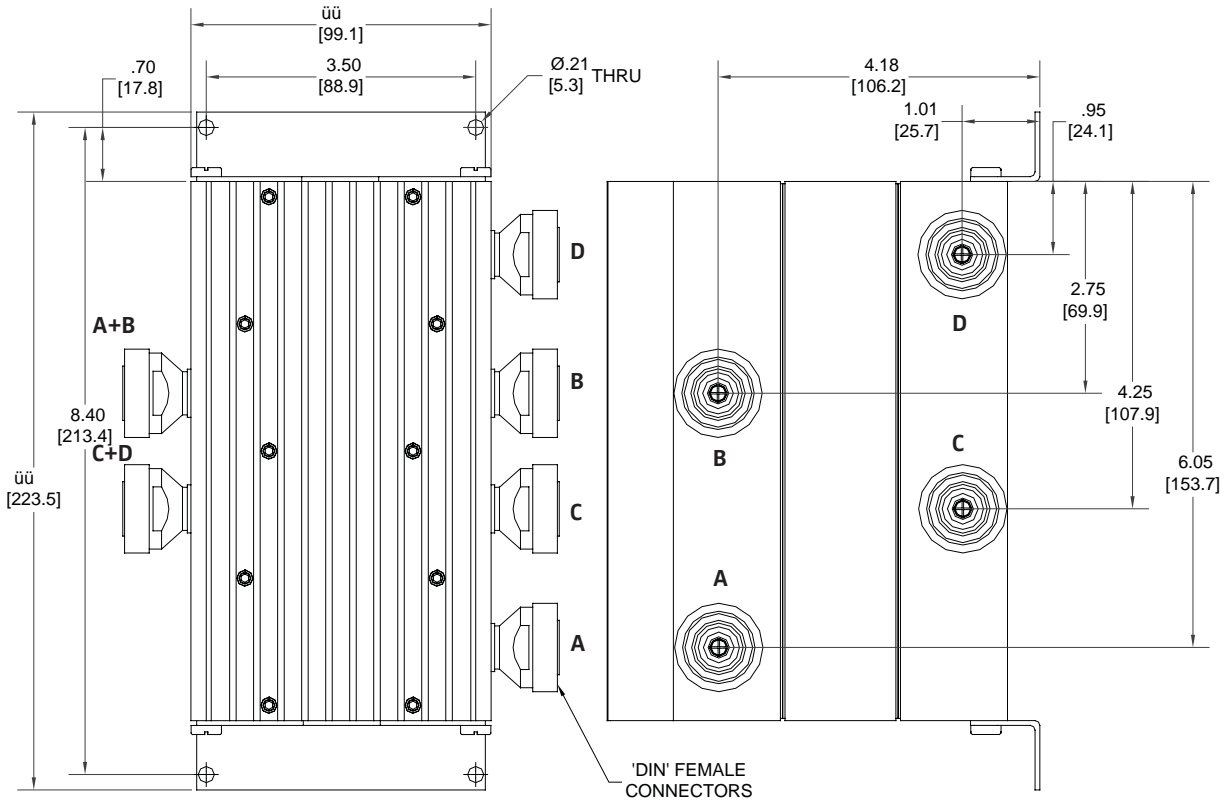
**Pole Mounting Bracket Assembly
(Optional)**

The CU-84D is based on packaging two CT-84D, 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 inter-modulation. 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. (01/13)

Coupling Loss:	3 dB nominal
Sensitivity:	± 0.40 dB
PIM Intermod:	-160 dBc typ. (tested at 1850 MHz with 2 +43dBm tones)
Impedance:	50Ω nominal
Environment:	-35°C to +75°C, IP67
Housing:	Passivated aluminum
Connectors Finish:	7-16 (f) Triplate

Model Number	Frequency Range, MHz	Input Isolation typical	Isolation minimum	VSWR Max	Dissipative Loss	Total Max. Avg. **	Power Peak	Weight lb (kg) nom.
CU-84D	698 - 2170* 2400 - 2700	>30dB	>25dB >20 dB	1.2:1	<0.2 dB	160W	3.0 kW	12.5 (5.7)
Specification applies to each combiner load assembly				*PIM at 800 MHz -148 typ.	**Derate -1.2%/°C above 55°C			



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

