

- ◆ High Isolation, Low VSWR and Loss
- ◆ Weathersealed Design, IP67
- ◆ 160 W Total Average Power Rating
- ◆ Low PIM Performance using Cable Load
- ◆ High Reliability
- ◆ RoHS compliant
- ◆ N or 7-16 mm connectors



The CT-84series is an assembly of a broadband, high isolation Hybrid Coupler and a low PIM cable load using a single weatherproofed housing.

The 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. (11/10-1)

Coupling Loss:	3 dB nominal
Sensitivity:	±0.40 dB
PIM Intermod:	<160 dBC (tested with 2 +43dBm tones)
Impedance:	50Ω nominal
Environment:	-35°C to +65°C, IP67
Housing:	Passivated aluminum
Connector Finish:	Triplate

Model No./Connectors	Frequency Range, MHz	Input Isolation typ. min.	VSWR Max	Dissipative Loss	Total Max. Avg.	Power Peak	Weight lb (kg)
7-16 (f) N (f)							
CT-84D CT-84N	698 - 2170 2400 - 2700	30dB 25dB	1.2:1	<0.2 dB	*160W	3.0 kW	6.6 (3.0)

*Derate -1.2%/°C.above 25°C

