

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



The models in the CTseries are assemblies 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.

Other bands and powers to special order. (02/11-2)

Coupling Loss:	3 dB nominal
PIM Intermod:	<160 dBc (tested with 2 +43dBm tones)
Impedance:	50Ω nominal
Environment:	-35°C to +75°C, IP67
Housing:	Passivated aluminum
Connector Finish:	Triplate
Weight, nominal:	6.6 lbs; 3.0 kg

Model No.	Connectors	Frequency Range, MHz	Input Isolation, dB	Sensitivity typ. min.	dB	VSWR Max	Dissipative Loss	Total Max. *Avg.	Power Peak
CT-64D	7-16 (f)	698 - 960	30	28	±0.40	1.2:1	<0.2 dB	160W	3.0 kW
CT-64N	N type (f)		32	30					
CT-74D	7-16 (f)	1710 - 2170	30	25	±0.25	1.2:1	<0.2 dB	160W	3.0 kW
CT-74N	N type (f)								
CT-84D	7-16 (f)	698 - 2170 2400 - 2700	30 25	25 21	±0.40	1.2:1	<0.2 dB	160W	3.0 kW
CT-84N	N type (f)	698 - 2170 2400 - 2700	30 27	25 23	±0.40	1.2:1	<0.2 dB	160W	3.0 kW
*Derate -1.2%/°C.above 55°C									

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