

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



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 inter-modulation. The cable load terminates one hybrid output port in 50Ω and results in a 3 dB loss in each signal.

Other bands, connectors, guaranteed PIM and powers to special order. (01/13)

Coupling Loss: 3 dB nominal
 PIM Intermod: <-160 dBc (all units* tested at 1850 MHz 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

*CT-64 models PIM tested at 800 MHz for <-160 dBc

Model No.	Connectors	Frequency Range, MHz	Input Isolation, dB		Sensitivity dB	VSWR Max	Dissipative Loss	Total Max. *Avg.	Power Peak
			typ.	min.					
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)		30	25					
CT-84D	7-16 (f)	698 - 2170	30	25	±0.40	1.2:1	<0.2 dB	160W	3.0 kW
		2400 - 2700	25	21					
CT-84N	N type (f)	698 - 2170	30	25	±0.40	1.2:1	<0.2 dB	160W	3.0 kW
		2400 - 2700	27	23					

* Special Order *Derate -1.2%/°C.above 55°C

