Low PIM Combiner, CT series

160W Total Power Input, Low PIM, Hybrid Combiner
Versions for Wireless Bands 694 - 2700 MHz
Rev. C

- Low PIM Performance using Cable Load
- Weathersealed Design, IP67
- High Reliability
- Multiple Connector Options
- 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.

All models include right angle mounting brackets. See outline drawing for details.

Coupling Loss:	3 dB nominal
PIM Intermod:	-161 dBc (all units tested at 1850 MHz with 2 +43dBm tones)
AISG/DC Continuity:	Input B, 2.0A max.
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 typ.	Input Isolation, dB min.	Sensitivity dB	VSWR Max	Dissipative Loss	Total Max. †Avg.	Power Peak
CT-84D	7-16 (f)	694 - 2170 2400 - 2700	30 25	25 21	±0.40	1.2:1	<0.2 dB	160W	3.0 kW
CT-84N	N type (f)	694 - 2170 2400 - 2700	30 27	25 23	±0.40	1.2:1	<0.2 dB	160W	3.0 kW
CT-84C	*4.1-9.5 (f)	694 - 2170 2400 - 2700	30 25	25 21	±0.40	1.2:1	<0.2 dB	160W	3.0 kW
CT-84E	4.3-10 (f)	694 - 2170 2400 - 2700	30 25	25 21	±0.40	1.2:1	<0.2 dB	160W	3.0 kW

*Mini-DIN Connectors

†Derate -1.2%/°C.above 55°C

Note: Specifications are subject to change without prior notification.

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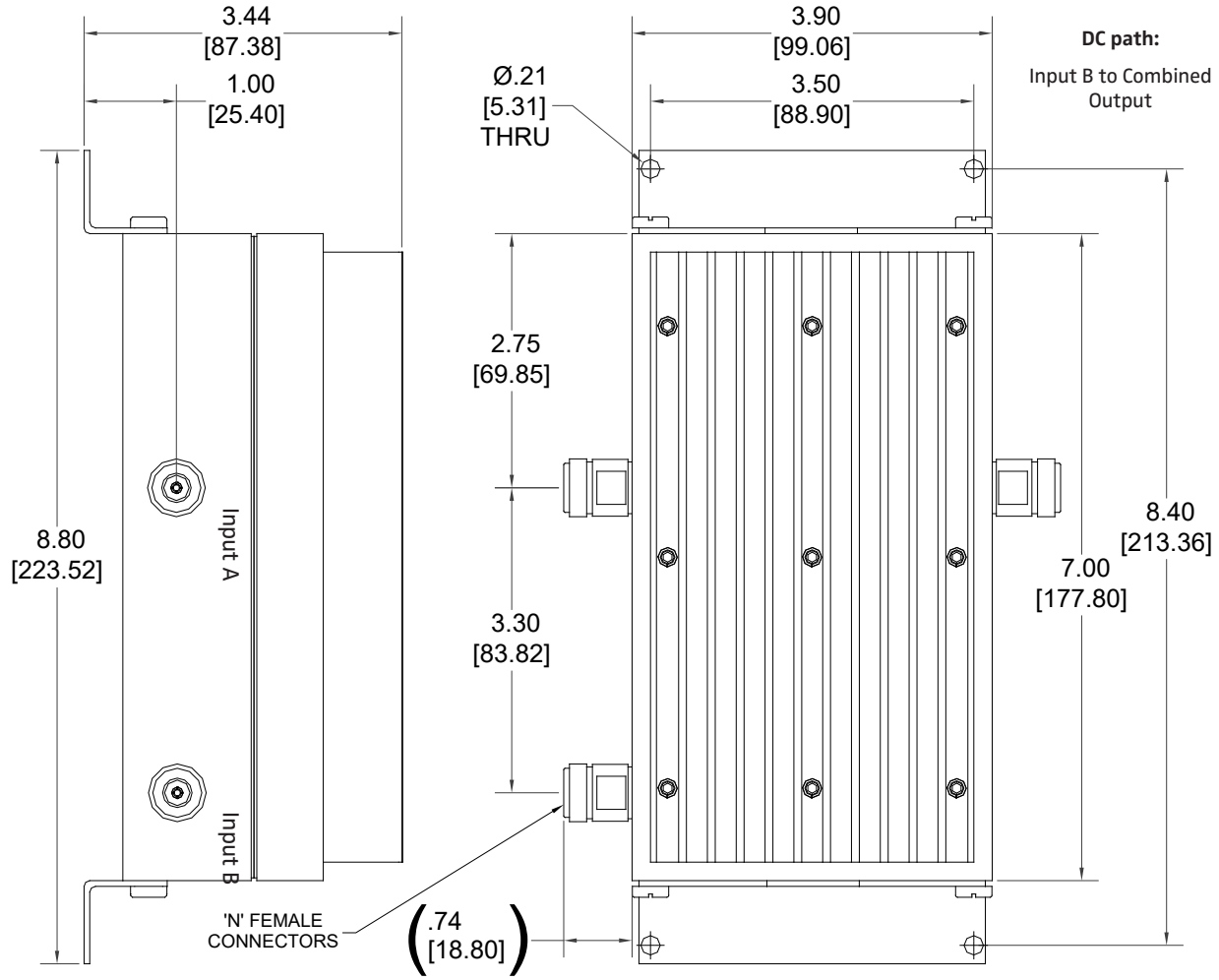
Model CT-84D

CT-84N Outline



Brackets Included