

- ◆ Standard Bandwidth for commercial wireless applications
- ◆ 160 W Power Rating
- ◆ Guaranteed Low PIM
- ◆ High Isolation, Low VSWR and Loss
- ◆ IP67 Rated
- ◆ RoHS compliant
- ◆ 4.3-10, N-type & 7/16 DIN connector options



Microlab CT-84 series is an assembly of a broadband, high isolation hybrid coupler and a low PIM cable load using a single weatherproofed housing. It 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 with 50Ω and results in a 3 dB loss in each signal.

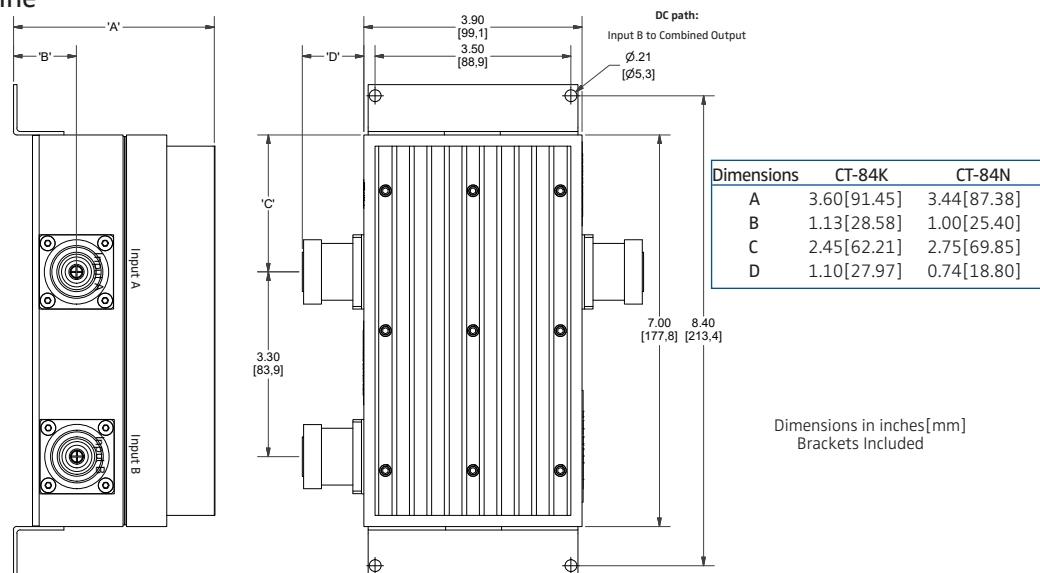
This product is designed for harsh outdoor applications in corrosive salt spray environments. All models include right angle mounting brackets.

Coupling Loss: 3 dB nominal
PIM: -161 dBc (-118 dBm) min.
(Tested @ 1.8GHz with 2 +43dBm)
AISG/DC Pass: Input B, 2.0A max.
Power†: 160W avg, 3kW peak
Impedance: 50Ω nominal
Environment: -35°C to +75°C
Housing: Black Anodized
Connector Finish: Female, Triplate
Weight: 6.6 lbs(3.0 kg)

†Derate -1.2%/°C.above 55°C

Model No.	Connector	Frequency Range, MHz	Input Isolation,dB		Sensitivity dB	Return Loss, dB	Dissipative Loss, dB	Environment
			typ.	min.				
CT-84KE & CT-84KD	4.3-10 & 7/16 DIN	617-694 694 - 2170 2400 - 2700	30 30 25	25 25 21	±0.80 ±0.40 ±0.40	>20 >20 >19	<0.2	IP68 720 hr Salt Fog ASTM-B117
CT-84N	N type	617-694 694 - 2170 2400 - 2700	30 30 27	25 25 23	±0.80 ±0.40 ±0.40	>20 >20 >19	<0.2	IP67 Rated

Mechanical Outline



Note: Specifications are subject to change without prior notification.

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