

- ◆ 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.

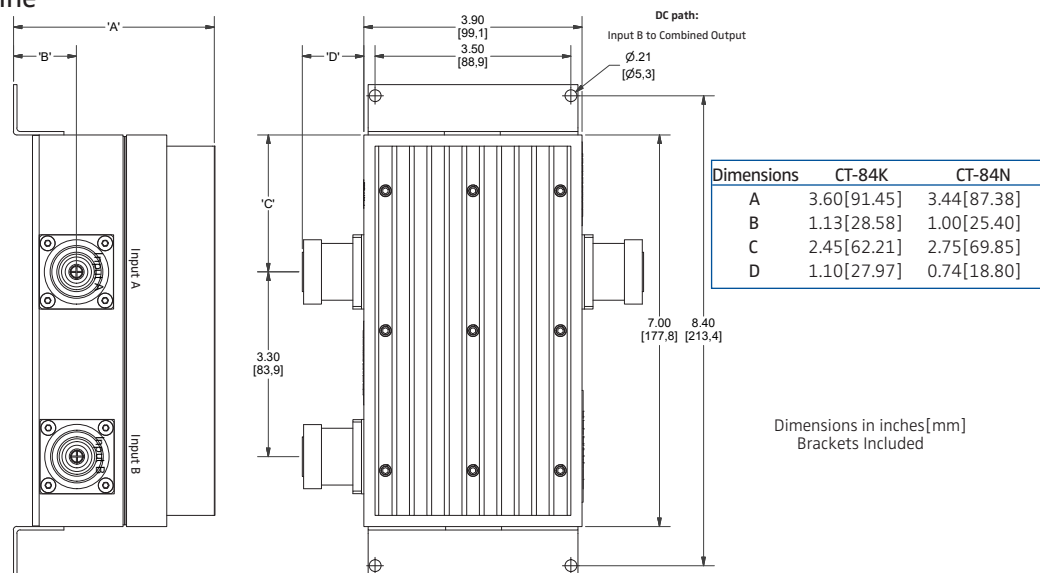
This product is designed for harsh outdoor applications in corrosive salt spray environments. All models include right angle mounting brackets.

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	30	25	±0.80	>20	<0.2	IP68 720 hr Salt Fog ASTM-B117
		694 - 2400	30	25	±0.40	>20		
CT-84N	N type	617-694	30	25	±0.80	>20	<0.2	IP67 Rated
		694 - 2400	30	25	±0.40	>20		
		2400 - 2700	25	21	±0.40	>19		
		2400 - 2700	27	23	±0.40	>19		

### Mechanical Outline



Note: Specifications are subject to change without prior notification.

19DEC2022