

Outdoor Dual-band Combiner

CM-DW2-ODxI, CM-DW2D-ODxI

CM-DW2-OAxI, CM-DW2D-OAxI

x=1, 2, 3 or 4, Preconfigured DC/AISG By-pass

1710-1880MHz 1920-2170MHz

Electrical Specifications

Frequency Range (MHz)	Band1: 1710-1880	Band2: 1920-2170
Insertion Loss (dB)	≤0.3	
Isolation between Ports (dB)	≥50	
Return Loss (dB)	≥20	
Maximum Input Power per Port (W)	250	
Intermodulation Products (dBc)	≤-160@2x43dBm	
Impedance (Ω)	50	
DC/AISG transparency	By-pass (max. 3000 mA)	
Lightning Protection	Comply with IEC 61000-4-5; 8kA, 8/20μs	
MTBF (Hours)	≥500,000	

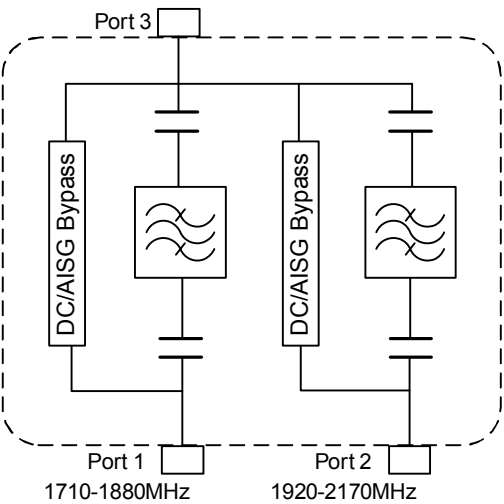
Mechanical Specifications

Model	Single Unit	Double Units
Dimensions, LxWxH (excluding connectors and mounting bracket) (mm) / (in)	210x124x51.5 / 8.3x4.9x2.0	210x124x104.5 / 8.3x4.9x4.1
Weight (kg) / (lb)	1.9 / 4.2	3.9 / 8.6
Shipping Dimensions, LxWxH (mm) / (in)	365x215x155 / 14.4x8.5x6.1	365x215x220 / 14.4x8.5x8.7
Shipping Weight (kg) / (lb)	2.9 / 6.3	4.5 / 9.9
RF Connectors	7/16 Din Female or 4.3-10 Female	
Mounting	Pole (clamps included for Φ35-125mm pole) or Wall Mounted	
Operating Temperature Range (°C)	-40 to +65	
Operational Humidity (%)	≤100	
Environmental Class	IP67	

Photo & Block Diagram



Single Unit



CM-DW2-OA4I

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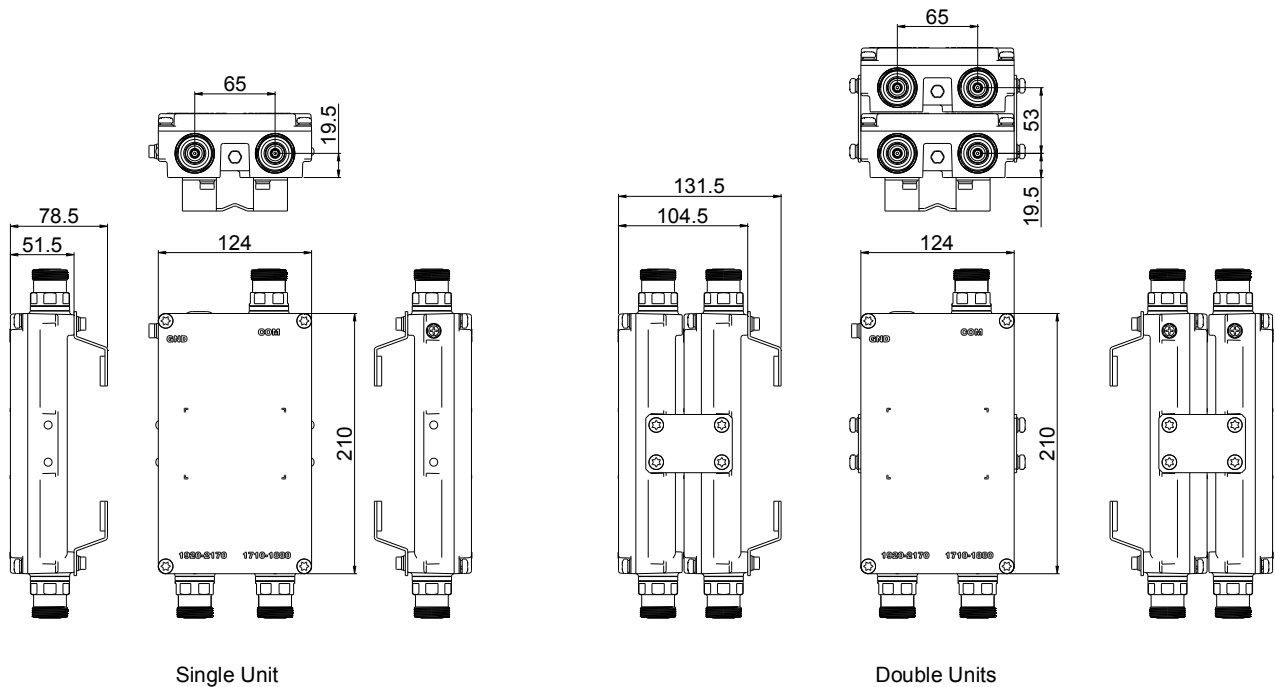
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Outline Drawing



Ordering Information

Single Unit Model

CM-DW2-ODxI*

CM-DW2-OAxI*

Double Units Model

CM-DW2D-ODxI*

CM-DW2D-OAxI*

Connector Type

7/16 DIN Female

4.3-10 Female

* DC/AISG By-pass Optional: x=1, 2, 3 or 4

1- No DC/AISG By-pass

3- DC/AISG By-pass@Band2

2- DC/AISG By-pass@Band1

4- Full DC/AISG By-pass

Accessories

Model	Quantity	Description
00-W331-5106	2	Mounting Kit
KK63020099	2	Hose Clamp, Ø30-125mm