

Outdoor Dual-band Combiner

CM-KY2-ODxD, CM-KY2D-ODxD

CM-KY2-OAxD, CM-KY2D-OAxD

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

1710-2170MHz 2300-2700MHz

Electrical Specifications

Frequency Range (MHz)	Band1: 1710-2170	Band2: 2300-2700
Insertion Loss (dB)	≤0.3	
Isolation between Ports (dB)	≥70	
Return Loss (dB)	≥20	
Maximum Input Power per Port (W)	300	
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	

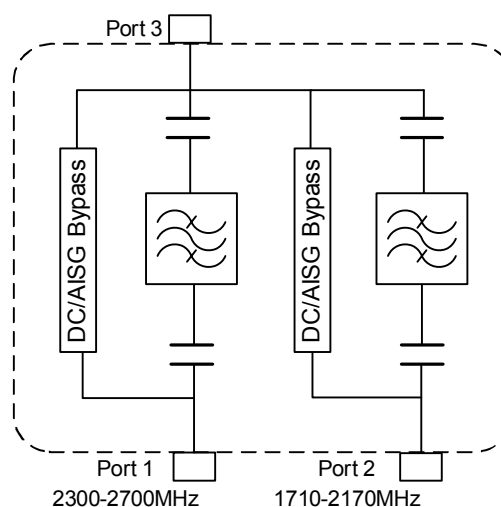
Mechanical Specifications

Model	Single Unit	Double Units
Dimensions, LxWxH (excluding connectors and mounting bracket) (mm) / (in)	148x121x48 / 5.8x4.8x1.9	148x121x101 / 5.8x4.8x4.0
Weight (kg) / (lb)	1.7 / 3.7	3.5 / 7.7
Shipping Dimensions, LxWxH (mm) / (in)	350x195x140 / 13.8x7.7x5.5	350x195x210 / 13.8x7.7x8.3
Shipping Weight (kg) / (lb)	2.5 / 5.5	4.3 / 9.5
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-KY2-OD4D

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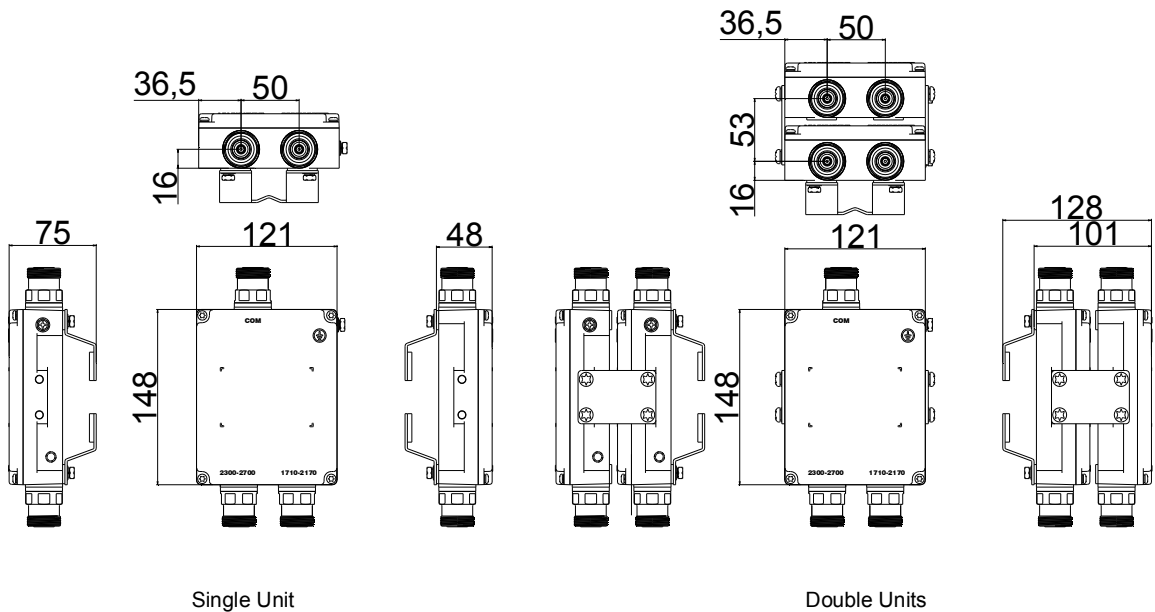
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Outline Drawing



Ordering Information

Single Unit Model

CM-KY2-ODxD

CM-KY2-OAxD

Double Units Model

CM-KY2D-ODxD

CM-KY2D-OAxD

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

4- Full DC/AISG By-pass

2- DC/AISG By-pass@Band1

3- DC/AISG By-pass@Band2

Accessories

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