

Outdoor Dual-band Combiner

CM-FM2-ODx, CM-FM2D-ODx

CM-FM2-OAx, CM-FM2D-OAx

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

380-960MHz

1410-2700MHz

Electrical Specifications

Frequency Range (MHz)	Band1: 380-960	Band2: 1410-2700
Insertion Loss (dB)	≤0.2	
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	

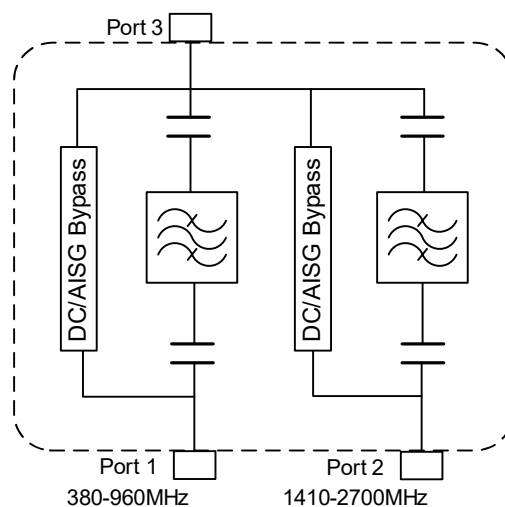
Mechanical Specifications

Model	Single Unit	Double Units
Dimensions, LxWxH (excluding connectors and mounting bracket) (mm) / (in)	194.5x110x55 / 7.7x4.3x2.2	194.5x110x115 / 7.7x4.3x4.5
Weight (kg) / (lb)	2.3 / 5.1	4.5 / 9.9
Shipping Dimensions, LxWxH (mm) / (in)	365x215x155 / 14.4x8.5x6.1	365x215x220 / 14.4x8.5x8.7
Shipping Weight (kg) / (lb)	3.4 / 7.5	5.6 / 12.3
RF Connectors	7/16 Din Female or 4.3-10 Female	
Mounting	Pole (clamps included for Φ35-125mm pole) or Wall Mounted	
Operational Temperature Range (°C)	-40 to +65	
Operational Humidity (%)	≤100	
Environmental Class	IP67	

Photo & Block Diagram



Single Unit



CM-FM2-OD4

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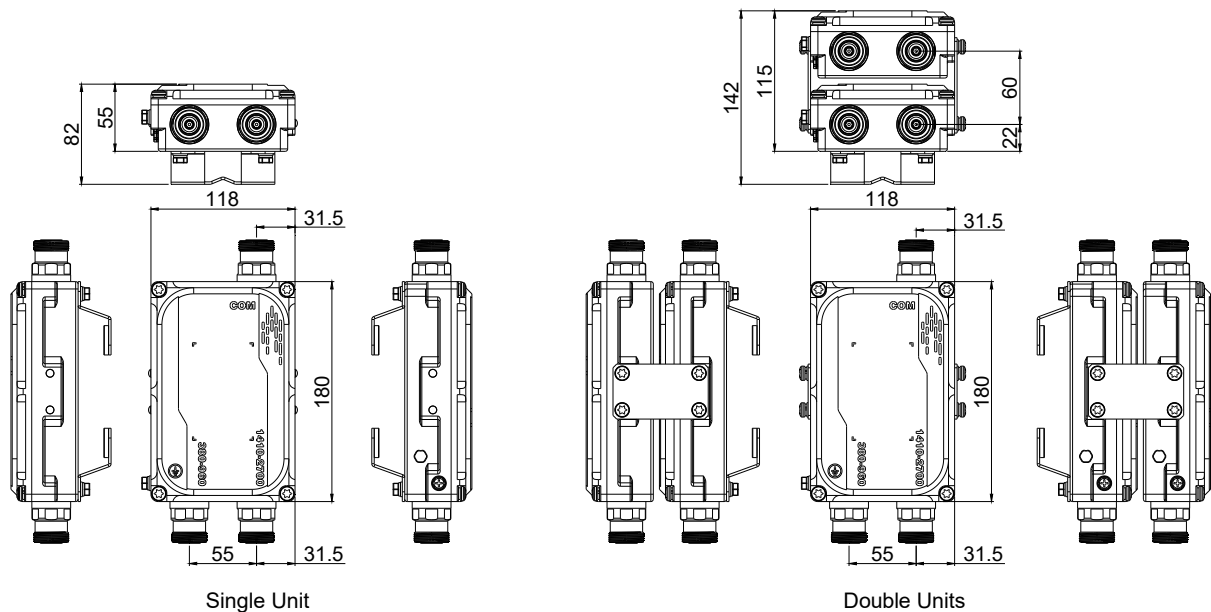
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380-960MHz 1410-2700MHz

Outline Drawing



Ordering Information

Single Unit Model	Double Units Model	Connector Type
CM-FM2-ODx*	CM-FM2D-ODx*	7/16 DIN Female
CM-FM2-OAx*	CM-FM2D-OAx*	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-W331-5109	2	Mounting Kit
KK63020099	2	Hose Clamp, Ø30-125mm