

Outdoor Tri-band Combiner

CM-FDW3-ODxB, CM-FDW3D-ODxB

CM-FDW3-OAxB, CM-FDW3D-OAxB

x=1, 2, 3, 4 or 6, Preconfigured DC/AISG By-pass

380-960MHz **1710-1880MHz** **1920-2170MHz**

Electrical Specifications

Frequency Range (MHz)	Band1: 380-960	Band2: 1710-1880	Band3: 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		

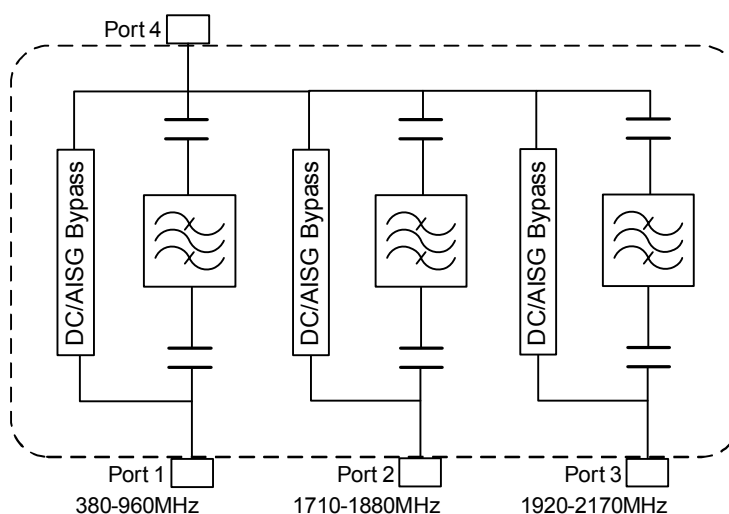
Mechanical Specifications

Model	Single Unit	Double Units
Dimensions, LxWxH (excluding connectors and mounting bracket) (mm) / (in)	220x180x50 / 8.7x7.1x2.0	220x180x103 / 8.7x7.1x4.1
Weight (kg) / (lb)	3.1 / 6.8	6.2 / 13.6
Shipping Dimensions, LxWxH (mm) / (in)	415x315x155 / 16.3x12.4x6.1	465x315x220 / 18.3x12.4x8.7
Shipping Weight (kg) / (lb)	3.9 / 8.6	7.2 / 15.8
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 (%)	≤95	
Environmental Class	IP67	

Photo & Block Diagram



Single Unit



CM-FDW3-OD6B

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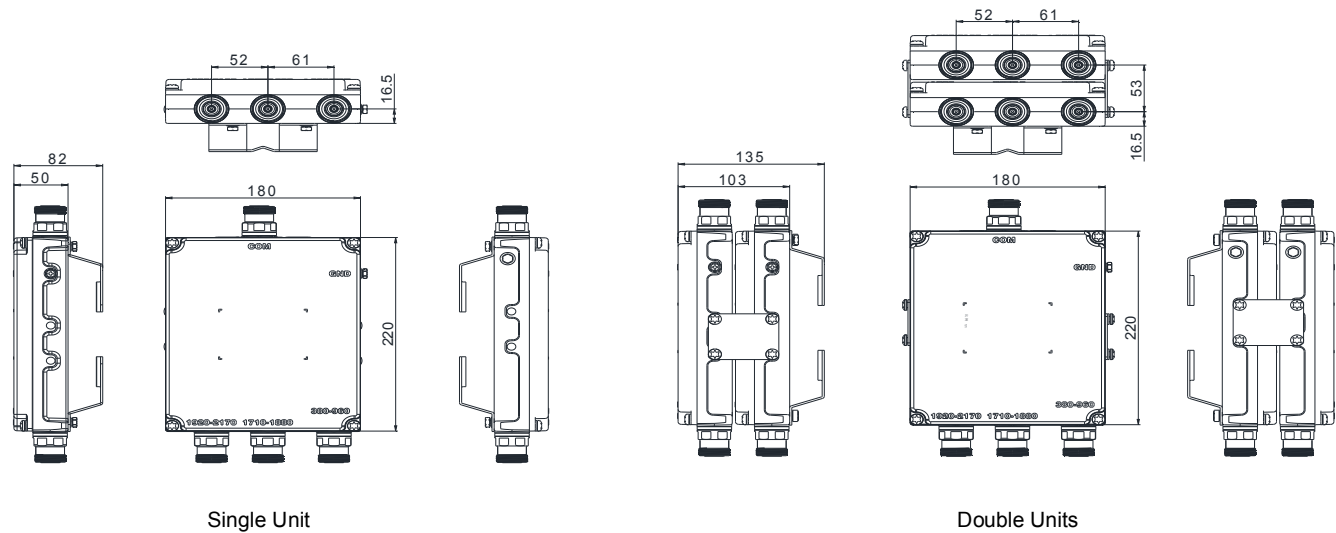
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Outline Drawing



Ordering Information

Single Unit Model	Double Units Model	Connector Type
CM-FDW3-ODxB	CM-FDW3D-ODxB	7/16 DIN Female
CM-FDW3-OAxB	CM-FDW3D-OAxB	4.3-10 Female

* DC/AISG By-pass Optional: x=1,2,3,4 or 6

1- No DC/AISG By-pass

4- DC/AISG By-pass@Band3

2- DC/AISG By-pass@Band1

6- Full DC/AISG By-pass

3- DC/AISG By-pass@Band2

Accessories

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