

Outdoor Tri-band Combiner

CM-FKY3-ODx, CM-FKY3D-ODx

CM-FKY3-OAx, CM-FKY3D-OAx

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

380-960MHz

1710-2170MHz

2300-2690MHz

Electrical Specifications

Frequency Range (MHz)	Band1: 380-960	Band2: 1710-2170	Band3: 2300-2690
Insertion Loss (dB)	≤0.3		
Isolation between Ports (dB)	≥60@380-960 / 1710-2170MHz ≥60@380-960 / 2300-2690MHz ≥55@1710-2170 / 2300-2690MHz		
Return Loss (dB)	≥20		
Maximum Input Power per Port (W)	250		
Intermodulation Products (dBc)	≤-155@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		

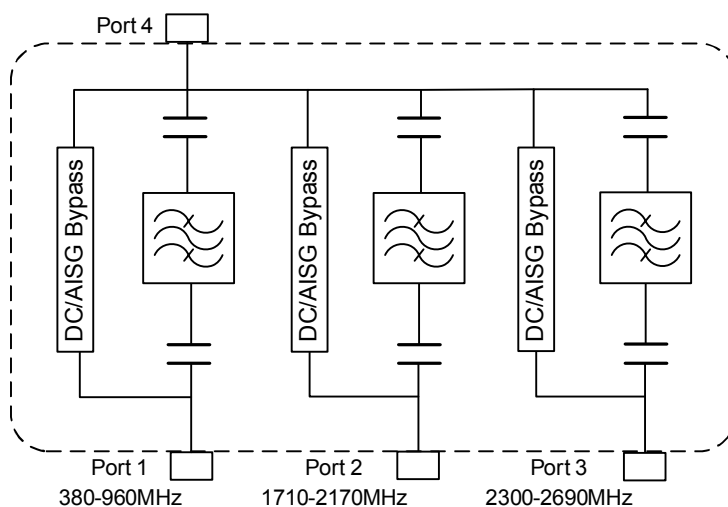
Mechanical Specifications

Model	Single Unit	Double Units
Dimensions, LxWxH (excluding connectors and mounting bracket) (mm) / (in)	187x158x50 / 7.4x6.2x2.0	187x158x103 / 7.4x6.2x4.1
Weight (kg) / (lb)	2.6 / 5.7	5.2 / 11.5
Shipping Dimensions, LxWxH (mm) / (in)	365x215x155 / 14.4x8.5x6.1	365x215x220 / 14.4x8.5x8.7
Shipping Weight (kg) / (lb)	3.5 / 7.7	6.1 / 13.4
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-FKY3-OD6

Outdoor Tri-band Combiner

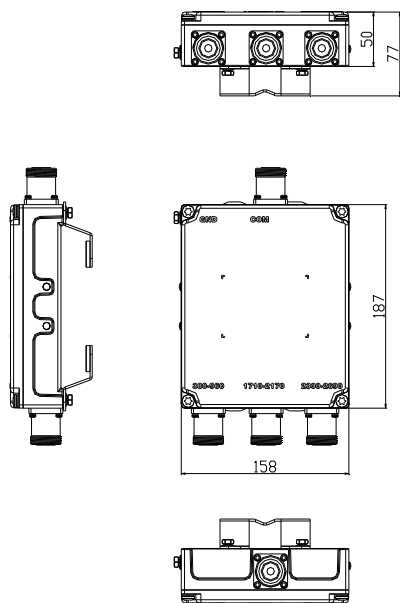
CM-FKY3-ODx, CM-FKY3D-ODx

CM-FKY3-OAx, CM-FKY3D-OAx

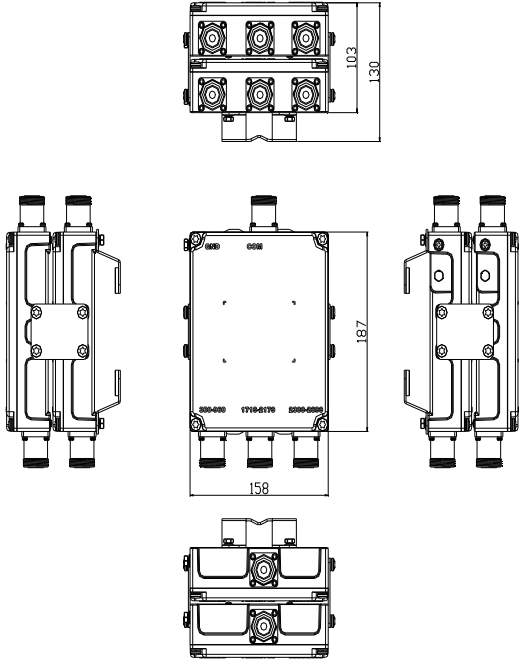
x=1, 2, 3, 4 or 6, Preconfigured DC/AISG By-pass

380-960MHz	1710-2170MHz	2300-2690MHz
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Outline Drawing



Single Unit



Double Units

Ordering Information

Single Unit Model

CM-FKY3-ODx*

CM-FKY3-OAx*

Double Units Model

CM-FKY3D-ODx*

CM-FKY3D-OAx*

Connector Type

7/16 DIN Female

4.3-10 Female

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

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