

Outdoor Penta-band Combiner

CM-FDWYU5-ODx, CM- FDWYU5D-ODx

CM-FDWYU5-OAx, CM- FDWYU5D-OAx

x=1, 2, 3, 4, 5, 6 or 10, Preconfigured DC/AISG By-pass

380-960MHz 1710-1880MHz 1920-2200MHz 2300-2690MHz 3300-3800MHz

Preliminary Issue

Electrical Specifications

Frequency Range (MHz)	Band1: 380-960	Band2: 1710-1880	Band3: 1920-2200	Band4: 2300-2690	Band5: 3300-3800
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				

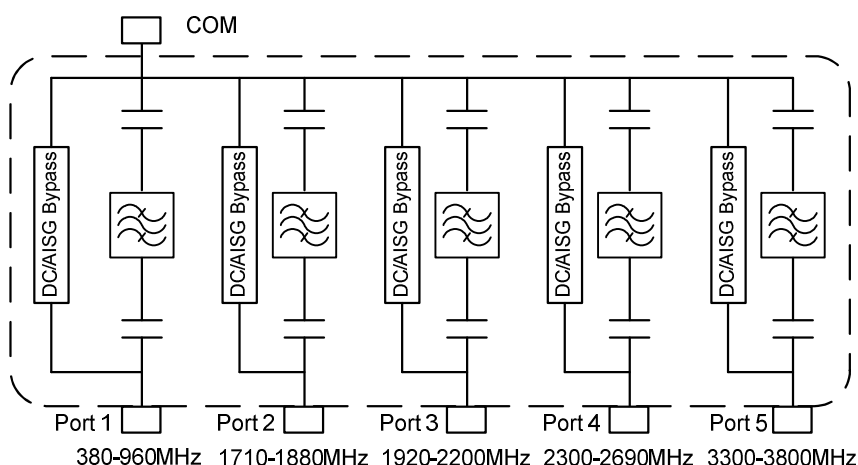
Mechanical Specifications

Model	Single Unit	Double Units
Dimensions, LxWxH (excluding connectors and mounting bracket) (mm) / (in)	206x255x60 / 8.1x10.0x2.4	206x255x125 / 8.1x10.0x4.9
Weight (kg) / (lb)	4.1 / 9.0	8.2 / 18.1
Shipping Dimensions, LxWxH (mm) / (in)	415x365x155 / 16.3x14.4x6.1	415x365x220 / 16.3x14.4x8.7
Shipping Weight (kg) / (lb)	5.3 / 11.7	9.7 / 21.4
RF Connectors	7/16 Din Female or 4.3-10 Female	
Mounting	Pole (clamps included for Ø35-125mm pole) or Wall Mounted	
Operational Temperature Range (°C)	-40 to +65	
Operational Humidity (%)	≤100	
Environmental Class	IP67	

Photo & Block Diagram



Single Unit



CM-FDWYU5-OAx

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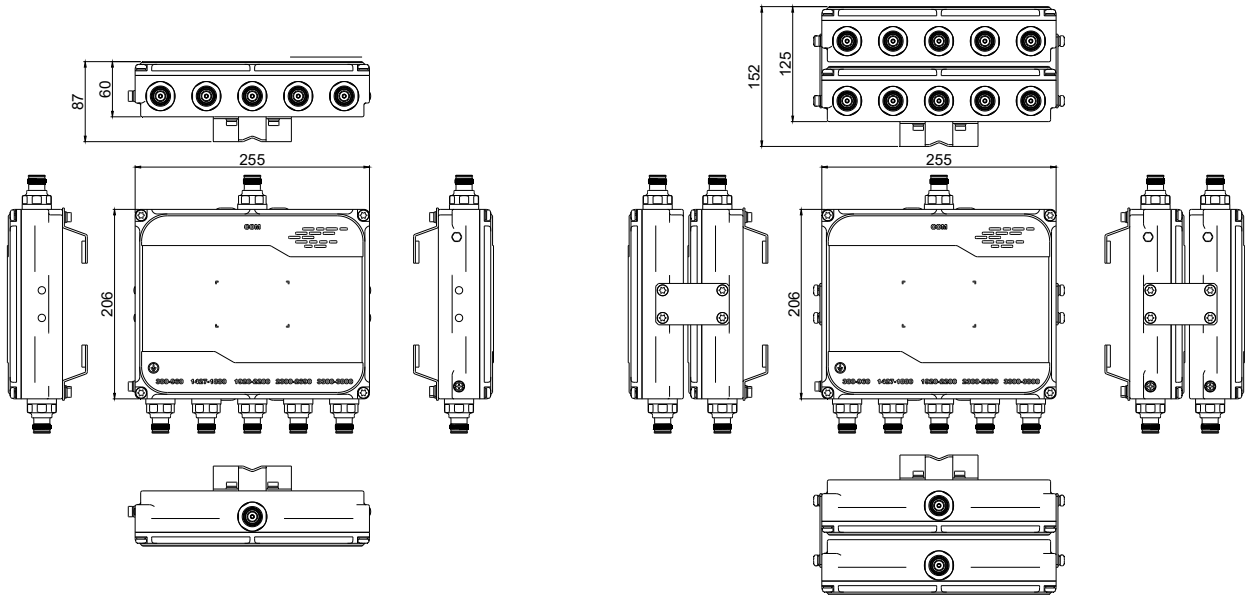
CM-FDWYU5-OAx, CM- FDWYU5D-OAx

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380-960MHz	1710-1880MHz	1920-2200MHz	2300-2690MHz	3300-3800MHz
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Preliminary Issue

Outline Drawing



Single Unit

Double Units

Ordering Information

Single Unit Model	Double Units Model	Connector Type
CM-FDWYU5-ODx*	CM- FDWYU5D-ODx*	7/16 DIN Female
CM- FDWYU5-OAx*	CM- FDWYU5D-OAx*	4.3-10 Female

* DC/AISG By-pass Optional: x=1,2,3,4,5,6 or 10
 1- No DC/AISG By-pass
 4- DC/AISG By-pass@Band3
 10- Full DC/AISG By-pass

2- DC/AISG By-pass@Band1
 5- DC/AISG By-pass@Band4

3- DC/AISG By-pass@Band2
 6- DC/AISG By-pass@Band5

Accessories

Model	Quantity	Description
00-W331-5109	2	Mounting Kit
KK63020099	2	Hose Clamp, Ø30-125mm