

Outdoor Quad-band Combiner

CM-ACKP4-ODxA, CM-ACKP4-OAxA

x=1, 2, 3, 4, 5 or 8, Preconfigured DC/AISG By-pass

698-787MHz

806-894MHz

1710-1755/2110-2155MHz

1850-1995MHz

Electrical Specifications

Frequency Range (MHz)	Band1: 698-787	Band2: 806-894	Band3: 1710-1755/2110-2155	Band4: 1850-1995
Insertion Loss (dB)	≤1.0			
Pass Band Ripple (dB)	≤0.5			
Isolation between Ports (dB)	≥60@698-787/806-894 ≥80@698-894/1710-2155 ≥60@1710-1755&2110-2155/1850-1995			
Return Loss (dB)	≥20			
Coupling Value at COM Port (dB)	43.5±2@Band1,Band2; 36.0±2@Band3,Band4			
Maximum Input Power per Port (W)	60@Band1; 120@Band2,Band3,Band4			
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			

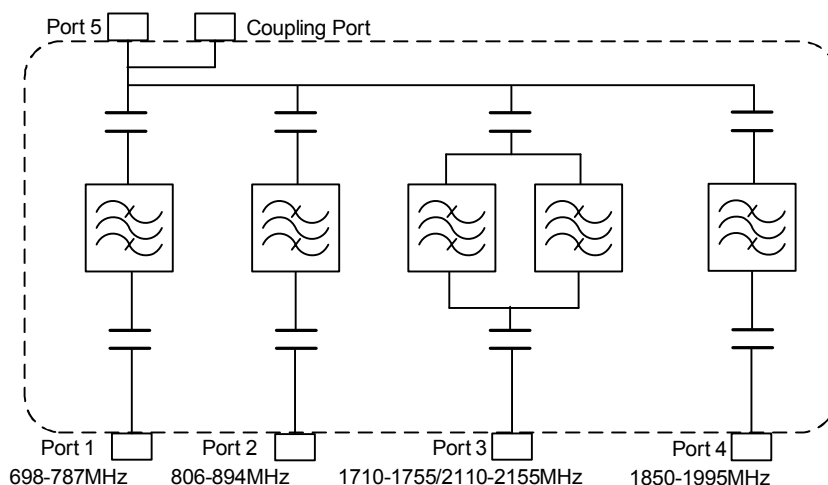
Mechanical Specifications

Model	Single Unit
Dimensions, LxWxH (excluding connectors and mounting bracket) (mm) / (in)	216x183x58.5 / 8.5x7.2x2.3
Weight (kg) / (lb)	3.6 / 7.9
Shipping Dimensions, LxWxH (mm) / (in)	464x364x184/ 18.3x14.3x7.2
Shipping Weight (kg) / (lb)	7.7 / 17.0
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-ACKP4-OD1A

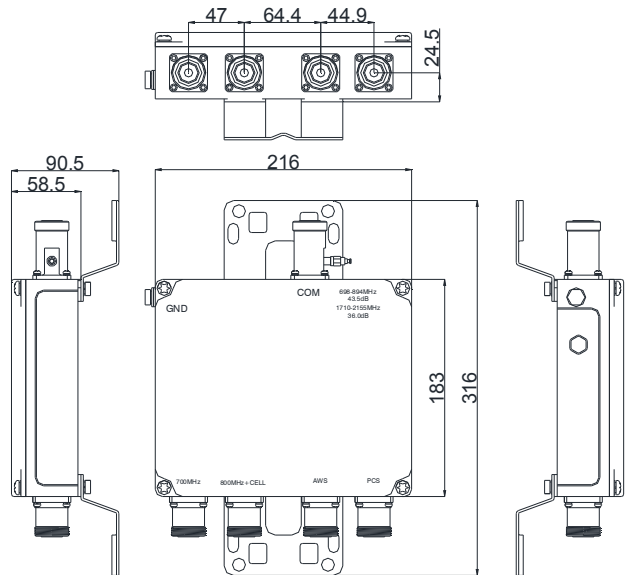
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Outline Drawing



Single Unit

Ordering Information

Single Unit Model	Double Units Model	Connector Type
CM-ACKP4-ODxA	/	7/16 DIN Female
CM-ACKP4-OAxA	/	4.3-10 Female

* DC/AISG By-pass Optional: x=1,2,3,4,5 or 8

1- No DC/AISG By-pass	2- DC/AISG By-pass@Band1	3- DC/AISG By-pass@Band2
4- DC/AISG By-pass@Band3	5- DC/AISG By-pass@Band4	8- Full DC/AISG By-pass

Accessories

Model	Quantity	Description
00-W331-5106	2	Mounting Kit
KK63020099	2	Hose Clamp, Ø60-260mm
BVR10mm2	1	2m grounded cable