

# 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

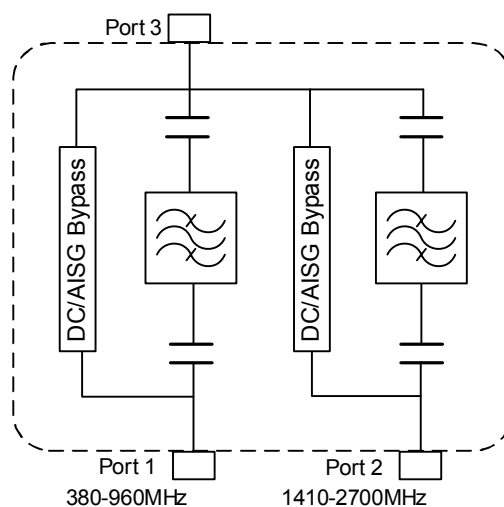
## Electrical Specifications

| Frequency Range (MHz)            | Band1: 380-960                         | Band2: 1410-2700 |
|----------------------------------|----------------------------------------|------------------|
| Insertion Loss (dB)              | ≤0.3                                   |                  |
| 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) | 180x118x55 / 7.1x4.6x2.2                                  | 180x118x115 / 7.1x4.6x4.5  |
| Weight (kg) / (lb)                                                        | 2.2 / 4.9                                                 | 4.4 / 9.7                  |
| Shipping Dimensions, LxWxH (mm) / (in)                                    | 415x215x155 / 16.3x8.5x6.1                                | 415x215x220 / 16.3x8.5x8.7 |
| Shipping Weight (kg) / (lb)                                               | 2.8 / 6.2                                                 | 5.4 / 11.9                 |
| 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



CM-FM2-OD4

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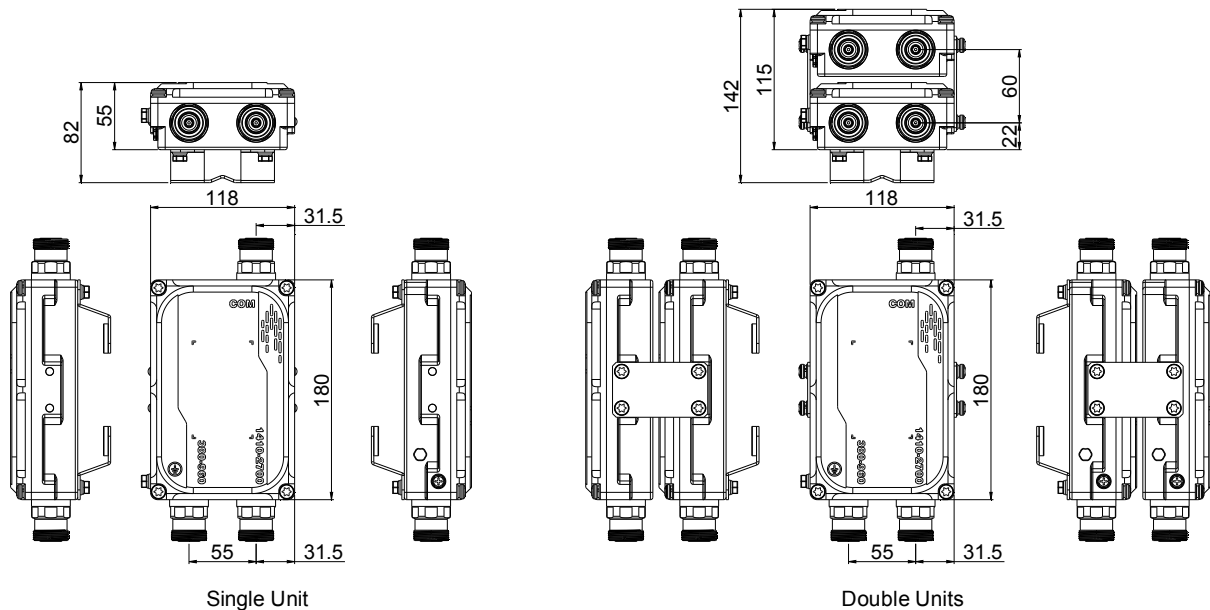
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## Outline Drawing



## Ordering Information

### Single Unit Model

CM-FM2-ODx\*

CM-FM2-OAx\*

### Double Units Model

CM-FM2D-ODx\*

CM-FM2D-OAx\*

### Connector Type

7/16 DIN Female

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-W331-5106 | 2        | Mounting Kit          |
| KK63020099   | 2        | Hose Clamp, Ø30-125mm |