

Multi-band RF combiner, triplexer, 1710-1880MHz/1920-2170MHz/2300-2690MHz, double unit 6-input / 2-output, 4.3-10 female, -160dBc, DC bypass for all ports.

General Specifications

| | |
|---------------------|--|
| Product Type | Multi-Band Combiner |
| Channel Number | 3-way Triplexer |
| Frequency Band | 1710-1880MHz 1920-2170MHz 2300-2690MHz |
| Input / Output | 6-input and 2-output |
| Structure | Double Unit |
| Connector Interface | 4.3-10 female |

Electrical Specifications

| | | | |
|-----------------------------|-------------------------|-----------|-----------|
| Frequency Band (MHz) | 1710-1880 | 1920-2170 | 2300-2690 |
| Return Loss | ≤-20.8 dB | ≤-20.8 dB | ≤-20.8 dB |
| VSWR | ≤1.20 | ≤1.20 | ≤1.20 |
| Insertion Loss | ≤0.5 dB | ≤0.5 dB | ≤0.5 dB |
| Isolation | ≥50 dB | ≥50 dB | ≥50 dB |
| Intermodulation (3rd order) | ≤-160dBc@2×43dBm | | |
| DC Bypass | DC bypass for all ports | | |
| Power Handling | 200 watts per port | | |
| Impedance | 50 ohms | | |

Material Specifications

| | | |
|-----------|-----------------------------------|-------------------|
| Cavity | Cavity Enclosure | Aluminum alloy |
| | Cavity Outer Surface Treatment | Powder coating |
| | Cavity Inner Surface Treatment | Cu3Ag1 |
| | Inner Conductor | Aluminum alloy |
| | Inner Conductor Surface Treatment | Ag1 |
| Connector | Outer Conductor | Brass |
| | Outer Conductor Surface Treatment | Tri-metal CuSnZn3 |
| | Inner Conductor | Brass |
| | Inner Conductor Surface Treatment | Ag1 |
| | Insulator | PTFE/TPX |
| | Gasket | Silicon rubber |

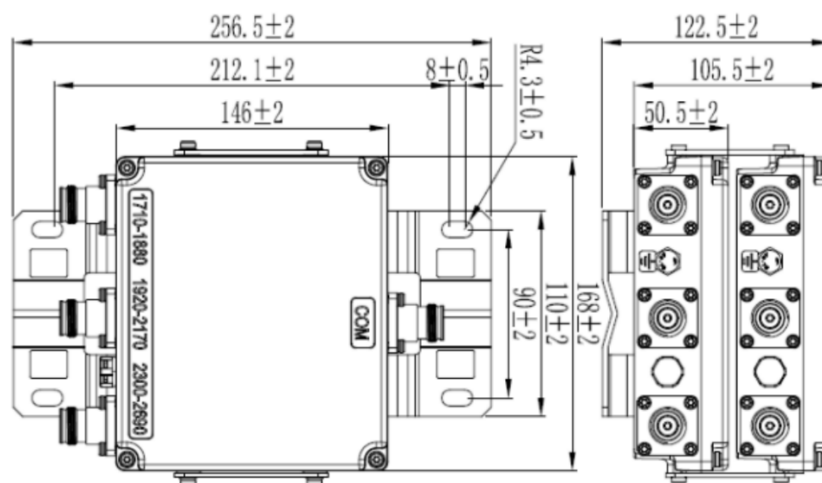
Mechanical Specifications

| | |
|-----------------|---|
| Dimension | 146×168×105 (mm, excluding connectors and brackets) |
| Weight | 6.5 kg |
| Connectors Type | 4.3-10 female |
| Mounting | Wall and pole |
| Packing | 1pcs in box |

Environmental Specifications

| | |
|-----------------------|------------------|
| Operating Temperature | -40 °C to +65 °C |
| Storage Temperature | -45 °C to +85 °C |
| Relative Humidity | 5% - 95% |
| Application | IP67 |

Outline Drawing



Regulatory Compliances

| | |
|---------------|-----------|
| ISO 9001:2015 | Compliant |
| ROHS | Compliant |
| China RoHS | Compliant |
| UK RoHS | Compliant |
| REACH | Compliant |
| EU/CE | Compliant |

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