



Multi-band RF combiner, pentaplexer, 694-806MHz and 824-894MHz and 1710-1755/2110-2155MHz and 1850-1990MHz and 2300-2700MHz combination, double unit 10-input / 2-output, 4.3-10 female, -155dBc, DC bypass for all ports.

General Specifications

| | |
|---------------------|---------------------------------|
| Product Type | Multi-Band Combiner |
| Channel Number | 5-way Pentaplexer |
| Frequency Band | 700 850 AWS PCS LTE2600 |
| Input / Output | 10-input and 2-output |
| Structure | Double Unit |
| Connector Interface | 4.3-10 female |

Electrical Specifications

| | | | | | |
|-----------------------------|-------------------------|-----------|---------------------|-----------|-----------|
| Frequency Band (MHz) | 694-806 | 824-894 | 1710-1755/2110-2155 | 1850-1990 | 2300-2700 |
| Return Loss | ≤-20.8 dB | ≤-20.8 dB | ≤-20.8 dB | ≤-20.8 dB | ≤-20.8 dB |
| VSWR | ≤1.20 | ≤1.20 | ≤1.20 | ≤1.20 | ≤1.20 |
| Insertion Loss | ≤0.5 dB | ≤0.5 dB | ≤0.5 dB | ≤0.5 dB | ≤0.5 dB |
| Isolation | ≥50 dB | ≥50 dB | ≥50 dB | ≥50 dB | ≥50 dB |
| Intermodulation (3rd order) | ≤-155dBc@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 |

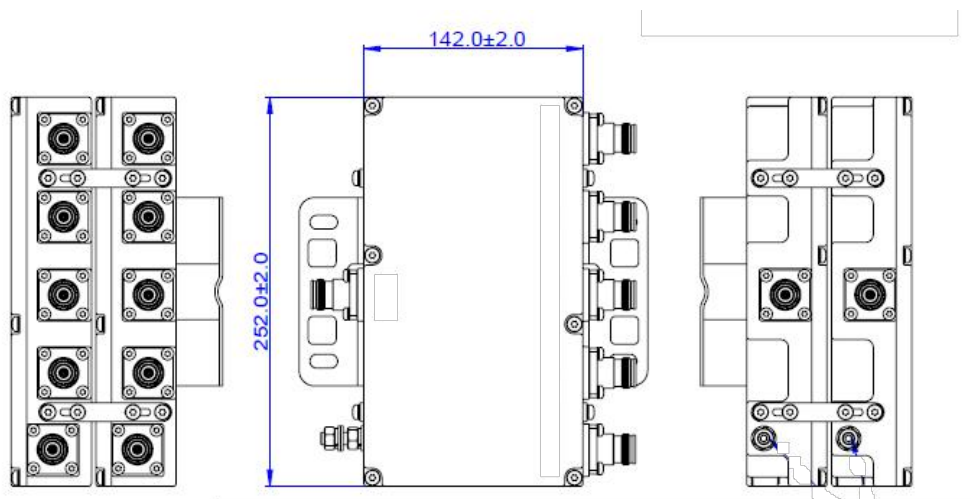
Mechanical Specifications

| | |
|-----------------|---|
| Dimension | 242×252×110 (mm, excluding connectors and brackets) |
| Weight | 10.5 kg |
| Connectors Type | 4.3-10 female |
| Mounting | Wall and pole |
| Packing | 1 pcs 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 |

In the effort to improve our products, we reserve the right to make changes judged to be necessary. While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. The information contained in this document is subject to change without notice.