



The hybrid coupler is widely used in the in-building DAS deployment to combine and mix the same-band systems. The product is designed with wide frequency band, customized connector interface, high power handling, low PIM performance and high reliability for indoor and outdoor coverage applications.

General Specifications

| | |
|---------------------|--------------------|
| Product Type | RF Hybrid Coupler |
| Frequency Band | 694-4200 MHz |
| Port Number | 2-input / 2-output |
| Connector Interface | N female |

Electrical Specifications

| | |
|--------------------------|--------------|
| Frequency Band (MHz) | 694-4200 MHz |
| Return Loss | ≤ -18 dB |
| VSWR | ≤ 1.3 |
| Insertion Loss | ≤ 0.2 dB |
| Distribution Loss | Nominal 3 dB |
| Distribution Loss Ripple | ± 0.6 dB |
| Isolation | ≥ 23 dB |
| Power Handling | 300W |
| Intermodulation, 2×43dBm | ≤ -155dBc |
| Impedance | 50 ohms |

Material Specifications

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

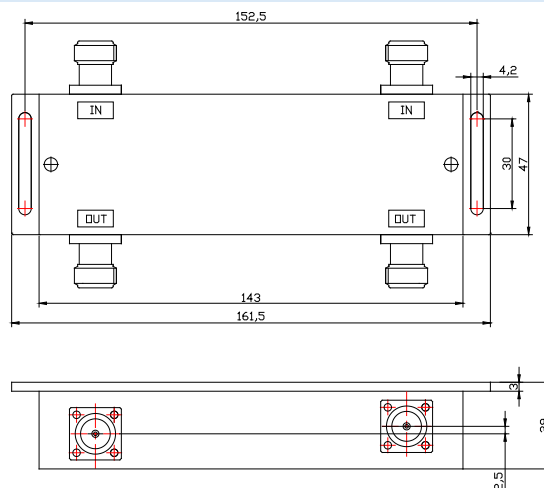
Mechanical Specifications

| | |
|-----------------|--|
| Dimension | 143x47x29 mm (Excluding connectors and brackets) |
| Weight | 0.8 kg |
| Connectors Type | N female |
| Mounting | Wall or rack |
| 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 | IP65, indoor and outdoor |

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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