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Product Name : RF Combiner Pentaplexer 698-960 / 1710-1880 / 1920-2170 / 2300-2400/ 2500-2700MHz

Product Model : FC 07&09-17&18-19&21-23&24-25&27

The combiner is the key RF device to combine multi-band signals in communication system. It is primarily employed in transmitters to combine signals from different frequency bands into a single feeder or antenna, thereby conserving resources and improving system efficiency. The combiner demonstrates excellent performance in terms of low passive intermodulation (PIM) products, low insertion loss, and high isolation, making it suitable for wireless network optimization, In-Building Distribution Systems (IBS), Base Transceiver Stations (BTS), Distributed Antenna Systems (DAS), and Antenna Feeder System (AFS).

Product Description

- ➔ Frequency covers 698-960 / 1710-1880 / 1920-2170 / 2300-2400/ 2500-2700MHz
- ➔ Pole or wall mounting
- ➔ Low PIM
- ➔ Suitable for indoor and outdoor applications



Specifications

| | | |
|--|---|-------------------------|
| Frequency range | 698-960 / 1710-1880 / 1920-2170 / 2300-2400/ 2500-2700MHz | |
| Insertion Loss | <0.25 dB | < 0.45 dB |
| Isolation | ≥50dB | ≥70dB |
| Isolation | | ≥50 dB |
| Return Loss | | ≥20 dB |
| VSWR | | ≤1.22 dB |
| Inter-modulation IM3 | | ≤-153dBc REV (2x43 dBm) |
| RF Input Power, CW | | 300W |
| Impedance | | 50Ω |
| Lightning Protection | | 3kA; 10/350 μs pulse |
| Net Weight (Single Unit) | | ≤3.79kg |
| Net Weight (Double Unit) | | ≤7.43kg |
| Dimensions (Single Unit) (exclude connectors) | 270 x 218 x 49 mm /10.63x8.58x1.93 inch | |
| Dimensions (Double Unit) (exclude connectors) | 270 x 218 x 104 mm /10.63x8.58x4.09 inch | |
| Operating temperature | -40°C to +65°C | |
| Relative humidity | 0~95% | |
| Color | Grey (ML440c) | |
| RoHS | Comply with RoHS | |
| Ingress protection | IP67 | |

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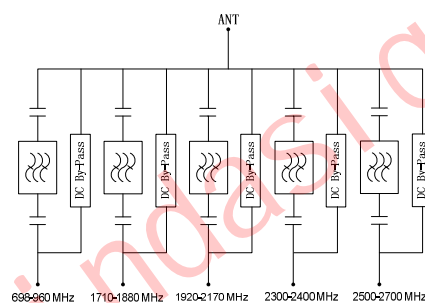
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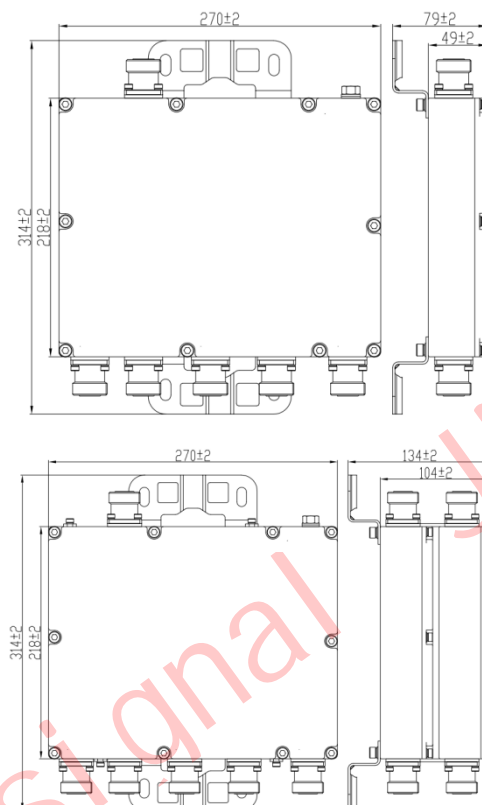
Product Selection:

| Part No | Connector Type | Single Unit/ Double Unit |
|---------------|----------------|--------------------------|
| T11H230119-1S | 4.3-10 Female | Single Unit |
| T11H230119-2S | DIN Female | Single Unit |
| T11H230119-3S | N Female | Single Unit |
| T11H230119-1D | 4.3-10 Female | Double Unit |
| T11H230119-2D | DIN Female | Double Unit |
| T11H230119-3D | N Female | Double Unit |

Block Diagram



Outline Drawing



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