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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	

Shenzhen Jindasignal Technology Co., Ltd.

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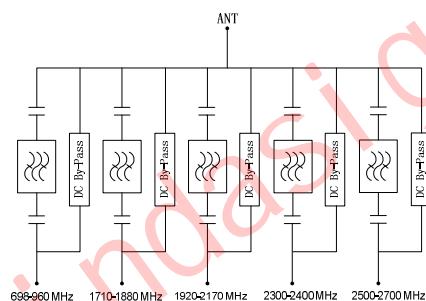
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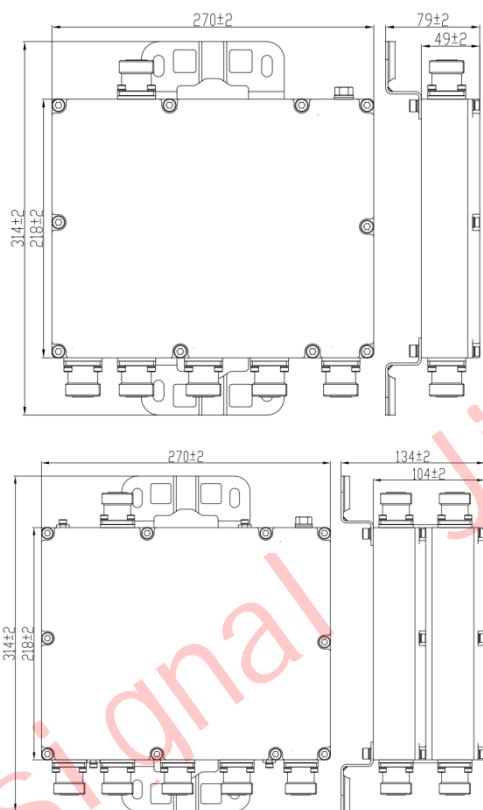
Product Selection:

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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