

**Product Name : RF Combiner Diplexer 694-862 / 880-960MHz****Product Model : FC 07&08-09**

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 694-862 / 880-960MHz
- ➔ Pole or wall mounting
- ➔ Low PIM
- ➔ Suitable for indoor and outdoor applications

**Specifications**

Frequency range	694-862 / 880-960MHz
Insertion Loss	< 0.35 dB
Isolation	≥50 dB
Return Loss	≥19 dB
VSWR	≤1.25 dB
Inter-modulation IM3	≤-155dBc REV (2x43 dBm)
RF Input Power, CW	300W
Impedance	50Ω
Lightning Protection	3kA; 10/350 μs pulse
Net Weight (Single Unit)	≤2.44kg
Net Weight (Double Unit)	≤4.73kg
Dimensions (Single Unit) (exclude connectors)	194 x 165 x 57 mm / 7.64x6.50x2.24 inch
Dimensions (Double Unit) (exclude connectors)	194 x 165 x 122 mm / 7.64x6.50x4.80 inch
Operating temperature	-40°C to +65°C
Relative humidity	0~95%
Color	Grey (ML440c)
RoHS	Comply with RoHS
Ingress protection	IP67



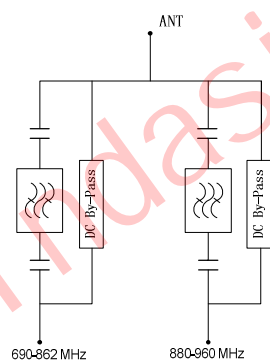
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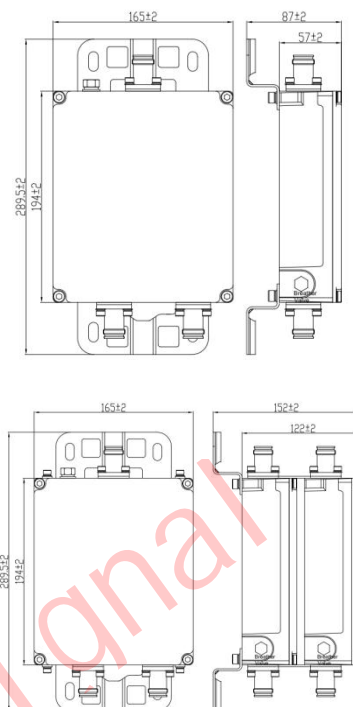
Product Selection:

Part No	Connector Type	Single Unit/ Double Unit
T11H230110-1S	4.3-10 Female	Single Unit
T11H230110-2S	DIN Female	Single Unit
T11H230110-3S	N Female	Single Unit
T11H230110-1D	4.3-10 Female	Double Unit
T11H230110-2D	DIN Female	Double Unit
T11H230110-3D	N Female	Double Unit

Block Diagram



Outline Drawing



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