



Multi-band RF combiner, pentaplexer, 694-803MHz/880-960MHz/1710-1880MHz/1920-2170MHz/2500-2700MHz combination, single unit 5-input / 1-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	694-803MHz 880-960MHz 1710-1880MHz 1920-2170MHz 2500-2700MHz
Input / Output	5-input and 1-output
Structure	Single Unit
Connector Interface	4.3-10 female

Electrical Specifications

Frequency Band (MHz)	694-803	880-960	1710-1880	1920-2170	2500-2700
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	

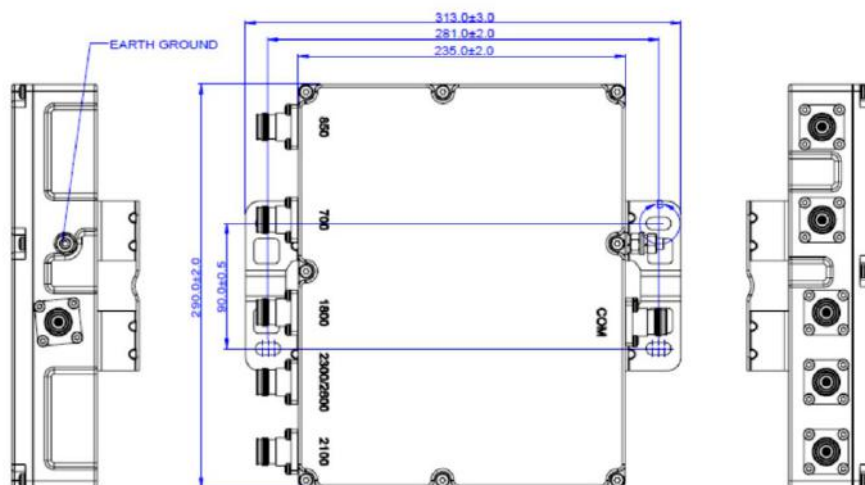
Mechanical Specifications

Dimension	235×290×61 (mm, excluding connectors and brackets)
Weight	5.5 kg
Connectors Type	4.3-10 female
Mounting	Wall and pole
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	IP67

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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