



Multi-band RF combiner, pentaplexer, 617-960MHz/1350-2200MHz/2300-2400MHz/2500-2700MHz/3300-4200MHz combination, double unit 10-input / 2-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	617-960MHz 1350-2200MHz 2300-2400MHz 2500-2700MHz 3300-4200MHz
Input / Output	10-input and 2-output
Structure	Double Unit
Connector Interface	4.3-10 female

Electrical Specifications

Frequency Band (MHz)	617-960	1350-2200	2300-2400	2500-2700	3300-4200
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

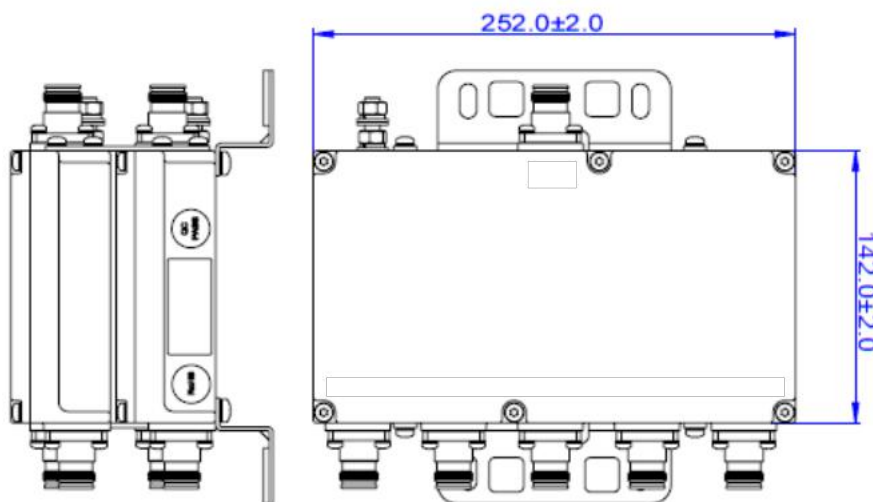
Mechanical Specifications

Dimension	142×252×120 (mm, excluding connectors and brackets)
Weight	11.5 kg
Connectors Type	4.3-10 female
Mounting	Wall and pole
Packing	1 pcs 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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