MBC2D-TR-DF-D01X

Multi-band RF combiner, diplexer, 1710-2170MHz/2300-2700MHz, double unit 4-input / 2-output, 7/16 DIN female, -155dBc, DC bypass for low-band port.

General Specifications

Product Type	Multi-Band Combiner
Channel Number	2-way Diplexer
Frequency Band	1710-2170MHz | 2300-2700 MHz
Input / Output	4-input and 2-output
Structure	Double Unit
Connector Interface	7/16 DIN female

Electrical Specifications

Frequency Band (MHz)	1710-2170	2300-2700
Return Loss	≤-20.8 dB	≤-20.8 dB
VSWR	≤1.20	≤1.20
Insertion Loss	≤0.4 dB	≤0.4 dB
Isolation	≥50 dB	≥50 dB
Intermodulation (3rd order)	≤-155dBc@2×43dBm	
DC Bypass	DC bypass for low-band port	
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

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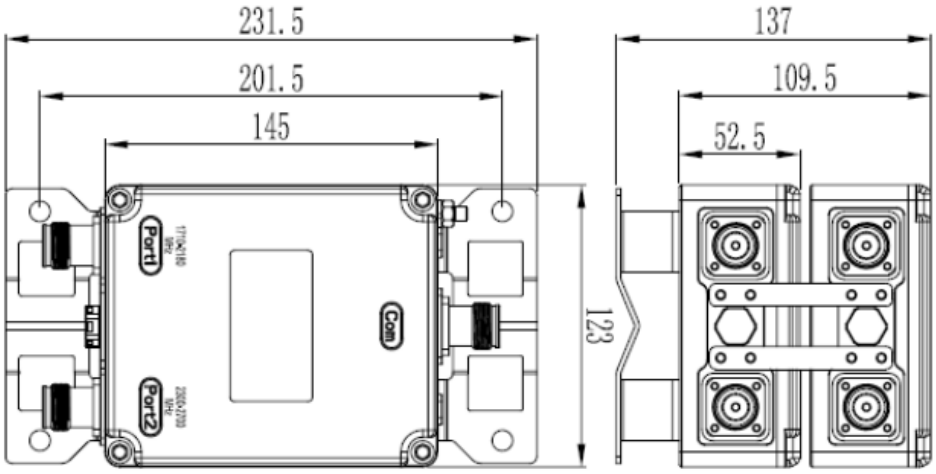
Mechanical Specifications

Dimension	145×123×110 (mm, excluding connectors and brackets)
Weight	3 kg
Connectors Type	7/16 DIN 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