MBC3-YMV-43F-D01

Multi-band RF combiner, triplexer, 1695-2700MHz / 3300-3800MHz / 5150-5925MHz, single unit 3-input / 1-output, 4.3-10 female, -155dBc, DC bypass for all ports.

General Specifications

Product Type	Multi-Band Combiner
Channel Number	3-way Triplexer
Frequency Band	1695-2700MHz | 3300-3800MHz | 5150-5925MHz
Input / Output	3-input and 1-output
Structure	Single Unit
Connector Interface	4.3-10 female

Electrical Specifications

Frequency Band (MHz)	1695-2700	3300-3800	5150-5925
Return Loss	≤-20.8 dB	≤-20.8 dB	≤-17.7 dB
VSWR	≤1.20	≤1.20	≤1.30
Insertion Loss	≤0.5 dB	≤0.5 dB	≤0.5 dB
Isolation	≥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

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Mechanical Specifications

Dimension	239×190×52 (mm, excluding connectors and brackets)
Weight	2.5 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
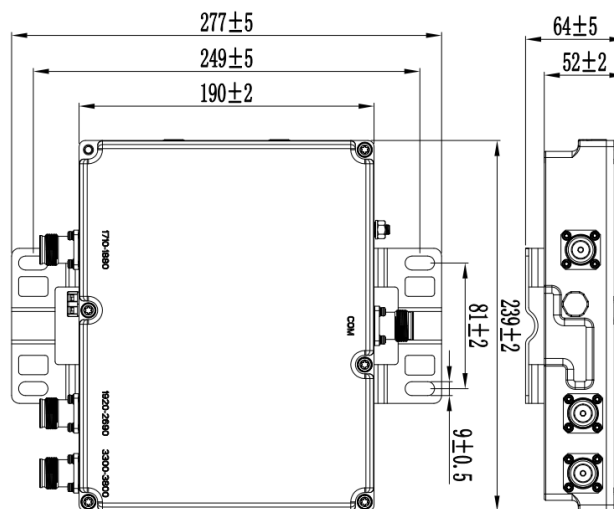
Regulatory Compliances

ISO 9001:2015	Compliant
ROHS	Compliant
China RoHS	Compliant
UK RoHS	Compliant
REACH	Compliant
EU/CE	Compliant

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