MBC3-QJAP-DF-D01

Multi-band RF combiner, triplexer, 555-894MHz and 1710-1755/2110-2155MHz and 1850-1990MHz combination, single unit 3-input / 1-output, 7/16 DIN female, -155dBc, DC bypass for all ports.

General Specifications

Product Type	Multi-Band Combiner
Channel Number	3-way Triplexer
Frequency Band	555-894MHz | 1710-1755/2110-2155MHz | 1850-1990MHz
Input / Output	3-input and 1-output
Structure	Single Unit
Connector Interface	7/16 DIN female

Electrical Specifications

Frequency Band (MHz)	555-894	1710-1755/2110-2155	1850-1990
Return Loss	≤-20.8 dB	≤-20.8 dB	≤-20.8 dB
VSWR	≤1.20	≤1.20	≤1.20
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

Mechanical Specifications

Dimension	200×166×48 (mm, excluding connectors and brackets)
Weight	4.5 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
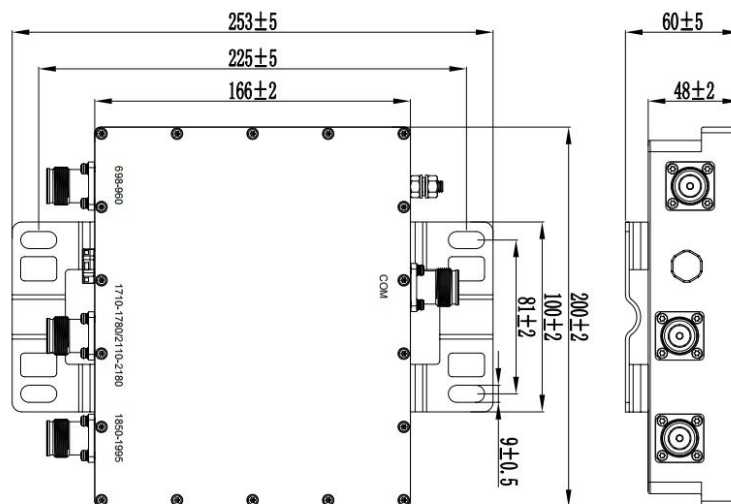
Regulatory Compliances

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

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