



Same band combiner, diplexer, 1800MHz same band combination. 1725-1740/1820-1835MHz and 1765-1785/1860-1880MHz, single unit 2-input / 1-output, 4.3-10 female, -155dBc, DC bypass for all ports, 19-inch cabinet installation.

General Specifications

Product Type	Same Band Combiner
Channel Number	2-way Diplexer
Frequency Band	1725-1740/1820-1835MHz 1765-1785/1860-1880MHz
Input / Output	2-input and 1-output
Structure	Single Unit
Connector Interface	4.3-10 female

Electrical Specifications

Frequency Band (MHz)	1725-1740/1820-1835	1765-1785/1860-1880
Return Loss	≤ -20.8 dB	≤ -20.8 dB
VSWR	≤ 1.20	≤ 1.20
Insertion Loss	≤ 0.5 dB	≤ 0.5 dB
Isolation	≥ 45 dB	≥ 45 dB
Intermodulation (3rd order)	≤ -155 dBc@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	Painting
	Cavity Inner Surface Treatment	Cu3Ag1
	Inner Conductor	Aluminum alloy
Connector	Inner Conductor Surface Treatment	Ag1
	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

Height	2U
Weight	3 kg
Connectors Type	4.3-10 female
Mounting	19-inch Rack
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	Indoor

Regulatory Compliances

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

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