



2-input / 1-output 3dB hybrid combiner is used for same band systems combination. This hybrid combiner covers the frequency band of 1710-2170MHz, with high isolation and low PIM performance. It is a double-unit mechanical design for 2T2R MIMO applications.

### General Specifications

Product Type	Double-Unit Low PIM Hybrid Combiner
Frequency Band	1710-2170 MHz
Input / Output	2-input / 1-output ×2
Intermodulation (3rd order)	≤-150dBc@2×43dBm
Connector Interface	N female

### Electrical Specifications

Frequency Band	1710-2170 MHz
Return Loss	≤-19.1 dB
VSWR	≤1.25
Insertion Loss	≤0.2 dB
Distribution Loss	Nominal 3 dB
Distribution Loss Ripple	±0.3 dB
Isolation	≥25 dB
Intermodulation (3rd order)	≤-150dBc@2×43dBm
Power Handling	100 watts per port
Impedance	50 ohms

### Material Specifications

Cavity	Cavity Enclosure	Aluminum alloy
	Cavity Outer Surface Treatment	Conductive oxidation / 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

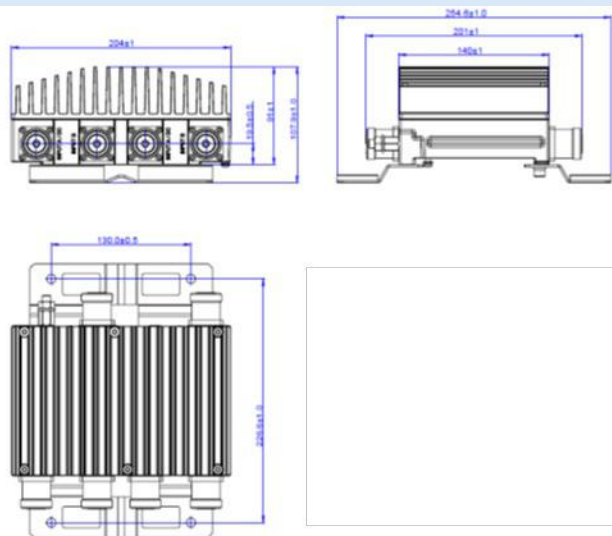
## Mechanical Specifications

Dimension	140×204×91 mm
Weight	5 kg
Connectors Type	N female
Mounting	Bracket
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	IP65

## 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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