



The hybrid coupler is widely used in the in-building DAS deployment to combine and mix the same-band systems. The product is designed with wide frequency band, customized connector interface, high power handling, low PIM performance and high reliability for indoor and outdoor coverage applications.

General Specifications

Product Type RF Hybrid Coupler Frequency Band 694-4200 MHz
Port Number 3-input / 3-output

Connector Interface N female

Electrical Specifications

Frequency Band (MHz) 694-4200 MHz
Return Loss \leq -18 dB
VSWR \leq 1.3
Insertion Loss \leq 0.3 dB

Distribution Loss Nominal 4.8 dB

Distribution Loss Ripple $\pm 0.8 \text{ dB}$ Isolation $\geq 23 \text{ dB}$ Power Handling300WIntermodulation, 2×43dBm≤-155dBcImpedance50 ohms

Material Specifications

Cavity Cavity Enclosure Aluminum alloy
Cavity Outer Surface Treatment Black painting

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 Aq1

Insulator PTFE/TPX
Gasket Silicon rubber



Mechanical Specifications

Dimension 245x126x41 mm (Excluding connectors and brackets)

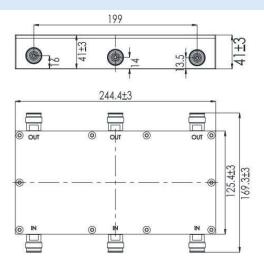
Weight 2.5 kg
Connectors Type N female
Mounting Wall or rack
Packing 1pcs in box

Environmental Specifications

Operating Temperature $-40 \,^{\circ}\text{C}$ to $+65 \,^{\circ}\text{C}$ Storage Temperature $-45 \,^{\circ}\text{C}$ to $+85 \,^{\circ}\text{C}$ Relative Humidity 5% - 95%

Application IP65, indoor and outdoor

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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