

**Product Name :** Hybrid Coupler ,4 in 4 out 694-2700MHz**Product Model :** HC0727-4I4O-ODH

The Hybrid Coupler is a high-performance passive RF device primarily used for signal combining, splitting, and power distribution in wireless communication systems. Featuring a high-quality cavity structure and precision manufacturing processes, it offers extremely low intermodulation distortion and excellent electrical performance. It is widely applied in base stations, repeaters, and In-Building distribution systems, supporting efficient transmission and distribution of multi-band and multi-system signals. The Hybrid Coupler excels in low intermodulation (PIM), low insertion loss, and high isolation, making it suitable for wireless network optimization, In-Building Distribution Systems (IBS), Base Transceiver Stations (BTS), Distributed Antenna Systems (DAS), and Antenna Feeder System (AFS).

**Product Description**

- ➔ Wide frequency band: 694 to 2700MHz
- ➔ High power capacity and isolation
- ➔ Low insertion loss
- ➔ Extremely low PIM
- ➔ Supporting indoor and outdoor applications

Specifications

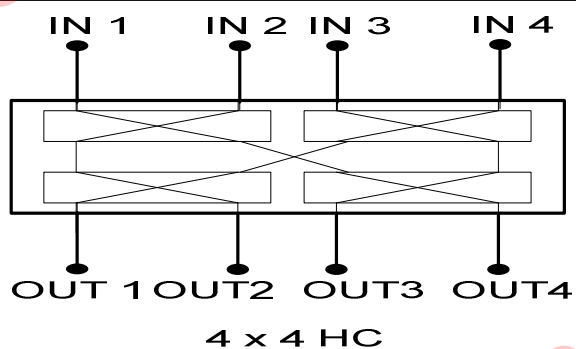
Frequency range	694-2700MHz
Insertion Loss	6.1dB \pm 1.0dB
Isolation	\geq 25dB
VSWR	\leq 1.25 dB
Inter-modulation IM3	\leq -160dBc REV (2x43 dBm)
RF Input Power, CW	300W
Impedance	50 Ω
RF Connector Type	DIN- Female
Net Weight	\leq 2.8 kg
Dimensions (exclude connectors)	294 x 105 x 35 mm /11.57x4.13x1.38 inch
Operating temperature	-35°C to +70°C
Relative humidity	0~95%
Color	Grey (ML440c)
RoHS	Comply with RoHS
Ingress protection	IP67



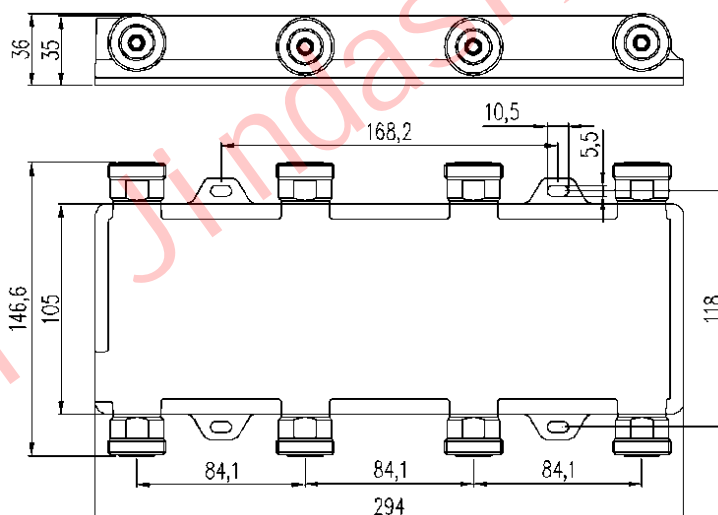
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Block Diagram



Outline Drawing



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