



**JINDASIGNAL**

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**Product Name : Hybrid Coupler ,4 in 4 out 698 - 4200MHz**

**Product Model : HC0742-4I4O-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: 698 - 4200MHz
- ➔ High power capacity and isolation
- ➔ Low insertion loss
- ➔ Extremely low PIM
- ➔ Supporting indoor and outdoor applications

#### **Specifications**

Frequency range	698 - 4200MHz
Insertion Loss	$\leq 6.1 \pm 1.3$ dB
Isolation	$\geq 20$ dB
VSWR	$\leq 1.3$ dB
Inter-modulation IM3	$\leq -160$ @2X43dBm Carrier
RF Input Power, CW	$\leq 500$ W
Impedance	50 $\Omega$
Connector	DIN-F
Net Weight	$\leq 3.2$ kg
Dimensions (exclude connectors)	170.2x155.6x52 mm /6.7x6.1x2 inch
Operating temperature	-30°C to +65°C
Relative humidity	0~95%
Color	Light Gray (ML440c)
RoHS	Comply with RoHS
Ingress protection	IP66

Shenzhen Jindasignal Technology Co., Ltd.

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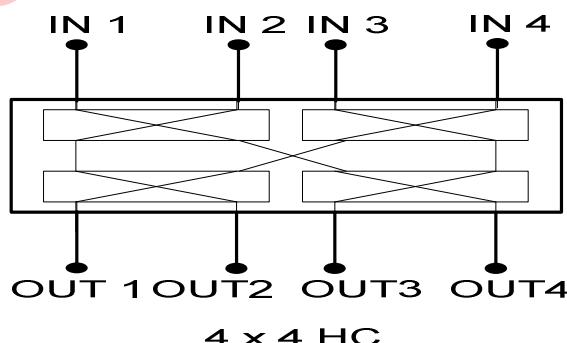
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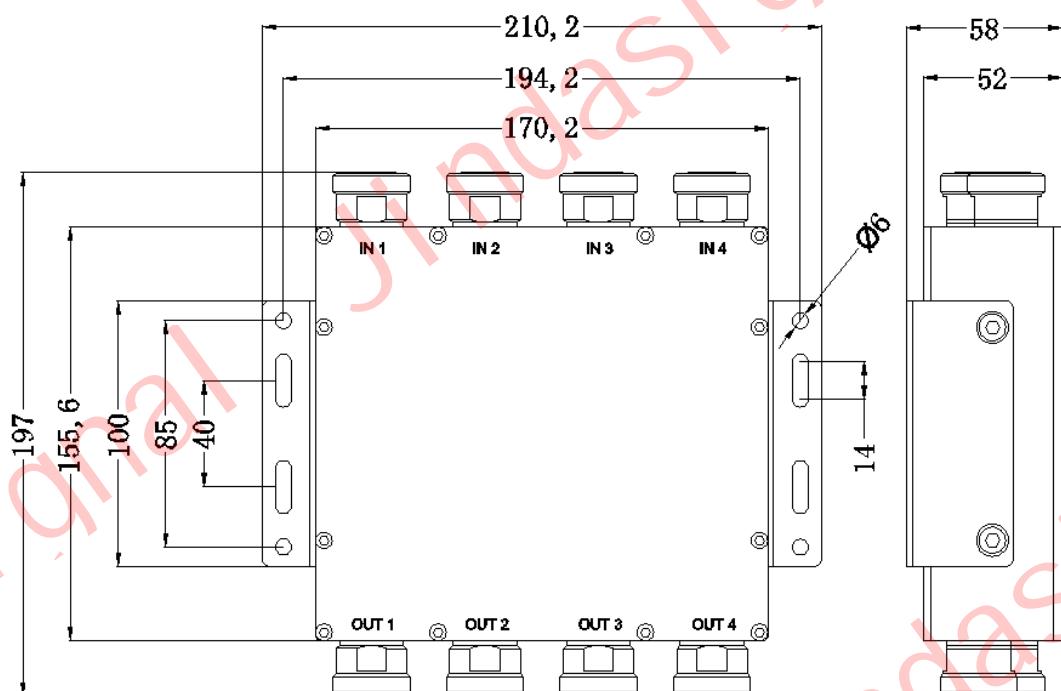
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Block Diagram



Outline Drawing



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