



JINDASIGNAL

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Product Name : Hybrid Coupler HC0638-2I2O-OMH

Product Model : HC0638-2I2O-OMH

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: 617-3800MHz
- High power capacity and isolation
- Low insertion loss
- Extremely low PIM
- Supporting indoor and outdoor applications

Specifications

Frequency range	617-3800MHz
Insertion Loss	$\leq 3.1 \pm 0.6$ dB
Isolation	≥ 25 dB
VSWR	≤ 1.25 dB
Inter-modulation IM3	≤ -160 dBc (with 2 x 43dBm)
RF Input Power, CW	≤ 300 W
Impedance	50 Ω
RF Connector Type	4.3-10 F
Net Weight	≤ 0.59 kg
Dimensions (exclude connectors)	137 x 48.5 x 33.5 mm / 5.39x1.91x1.32 inch
Operating temperature	-25°C to +70°C
Relative humidity	0~95%
Color	Black or Custom
RoHS	Comply with RoHS
Ingress protection	IP67

Shenzhen Jindasignal Technology Co., Ltd.

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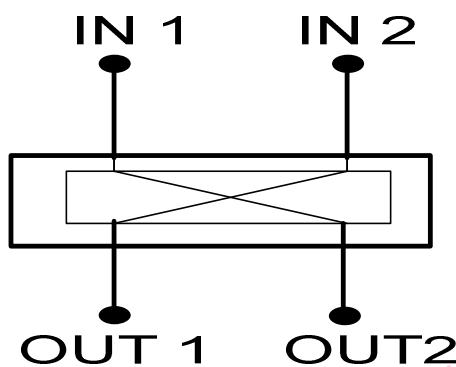
Phone: +86-755-86564010 Web site: www.jindasignal.com



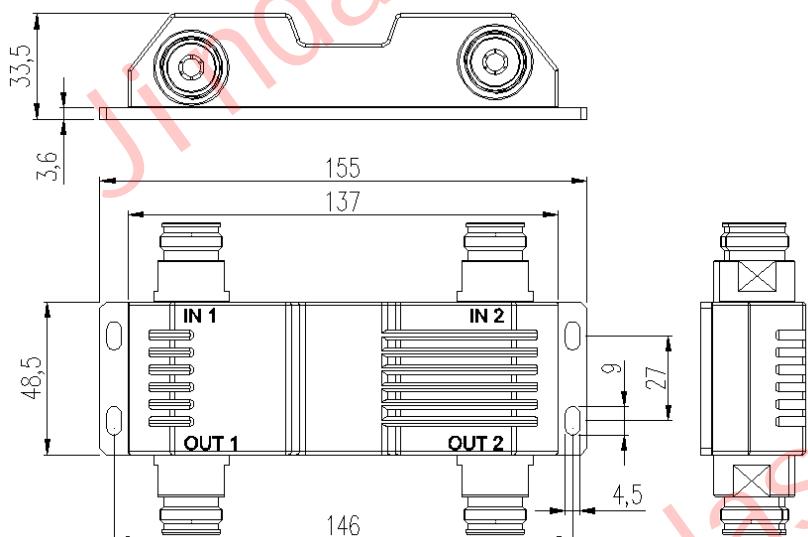
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Block Diagram



Outline Drawing



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