

**Product Name : Hybrid Coupler HC0327-2I2O-ONE****Product Model : HC0327-2I2O-ONE**

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: 380-2700MHz
- ➔ High power capacity and isolation
- ➔ Low insertion loss
- ➔ Extremely low PIM
- ➔ Supporting indoor and outdoor applications

Specifications

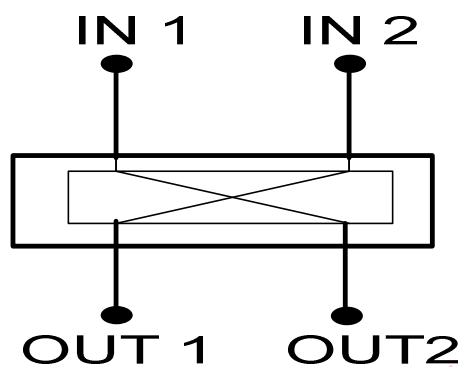
Frequency range	380-2700MHz
Insertion Loss	≤4.1dB
Isolation	≥20dB
VSWR	≤1.3 dB
Inter-modulation IM3	≤ -150 dBc (with 2 x 43dBm)
RF Input Power, CW	≤ 300 W
Impedance	50Ω
RF Connector Type	N-F
Net Weight	≤0.35 kg
Dimensions (exclude connectors)	211*52*36 mm /8.31x2.05x1.42 inch
Operating temperature	-30°C to +65°C
Relative humidity	0~95%
Color	Black or Custom
RoHS	Comply with RoHS
Ingress protection	IP65



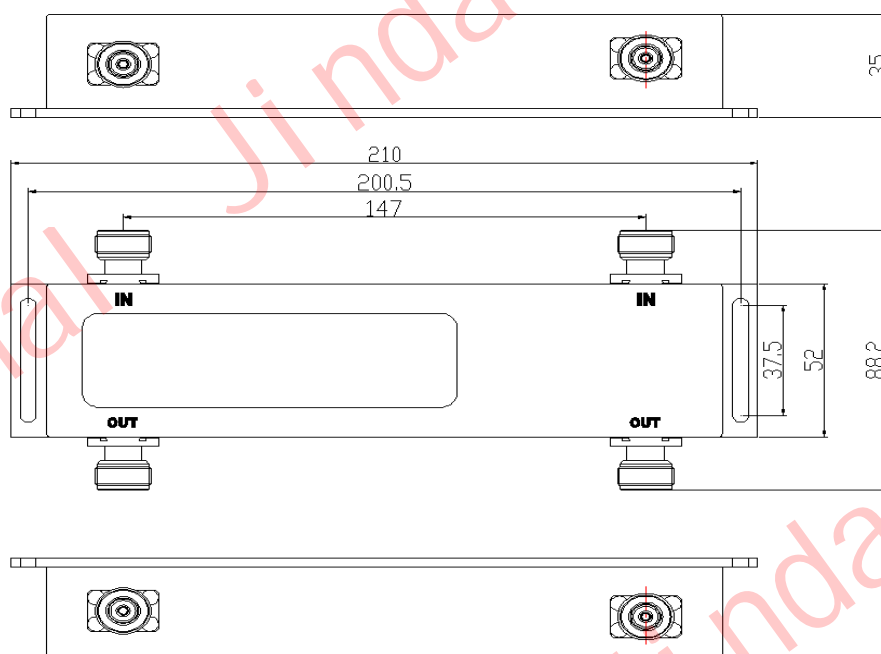
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Block Diagram



Outline Drawing



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