



JINDASIGNAL

www.jindasignal.com

Product Name: Hybrid Coupler HC0727-2I2O-ODH

Product Model: HC0727-2I2O-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: 694-2700MHz
- High power capacity and isolation
- Low insertion loss
- Extremely low PIM
- Supporting indoor and outdoor applications

Specifications

Frequency range	694-2700MHz
Insertion Loss	$\leq 3.1 \pm 0.5$ dB
Isolation	≥ 25 dB
VSWR	≤ 1.25 dB
Inter-modulation IM3	≤ -160 dBc (Rev, 2x43 dBm)
RF Input Power, CW	≤ 300 W
Impedance	50 Ω
RF Connector Type	DIN-F
Net Weight	≤ 0.86 kg
Dimensions (exclude connectors)	151 x 46 x 42 mm / 5.94x1.81x1.65 inch
Operating temperature	-35°C to +70°C
Relative humidity	0~95%
Color	Black or Custom
RoHS	Comply with RoHS
Ingress protection	IP67



Shenzhen Jindasignal Technology Co., Ltd.

Address: 3F, 1st Block, West Industrial Area, No. 29 Makan Rd., Xili Town, Nanshan District, Shenzhen City China

Phone: +86-755-86564010

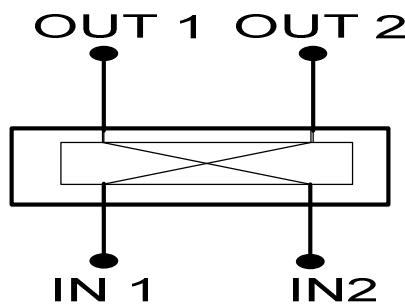
Web site: www.jindasignal.com



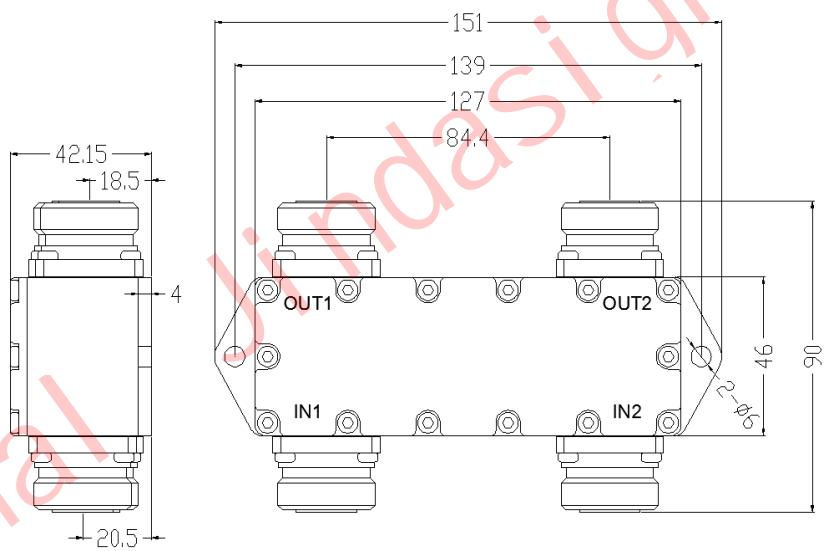
JINDASIGNAL

www.jindasignal.com

Block Diagram



Outline Drawing



Shenzhen Jindasignal Technology Co., Ltd.

Address: 3F, 1st Block, West Industrial Area, No. 29 Makan Rd., Xili Town, Nanshan District, Shenzhen City China

Phone: +86-755-86564010

Web site: www.jindasignal.com