



**JINDASIGNAL**

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

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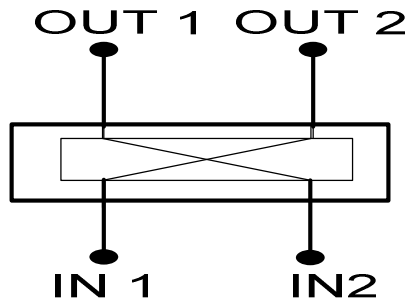
Web site: [www.jindasignal.com](http://www.jindasignal.com)



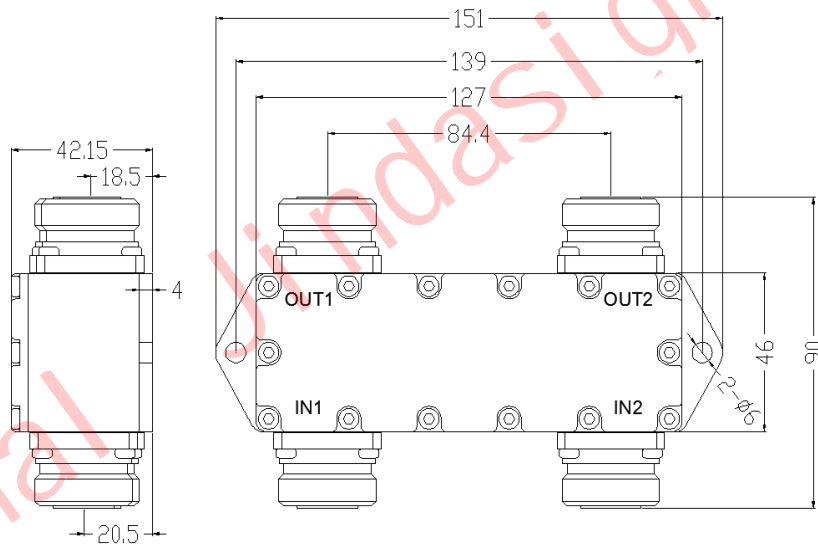
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Block Diagram



Outline Drawing



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