JINDASIGNAL

www.jindasignal.com

Product Name : Hybrid Coupler HC0638-2I2O-ODH

Product Model : HC0638-2I2O-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: 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	≤3.1±0.8
Isolation	≥23dB
VSWR	≤1.3 dB
Inter-modulation IM3	≤-160/-155/-150dBc REV (2x43 dBm)
RF Input Power, CW	300W
Impedance	50Ω
RF Connector Type	DIN-F
Net Weight	≤0.55kg
Dimensions (exclude connectors)	154x50.6x37.5 mm /6.06x1.99x1.48 inch
Operating temperature	-35℃ to +70℃
Relative humidity	0~95%
Color	Black or Custom
RoHS	Comply with RoHS
Ingress protection	IP65

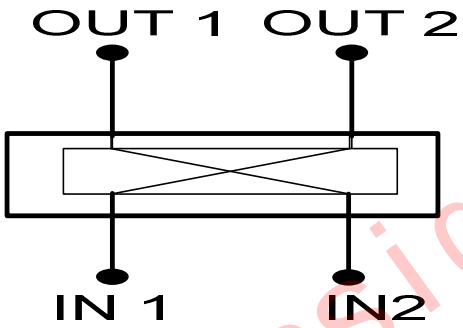
Product Selection:

Part No	Inter-modulation IM3
S11H270101-1	≤-160dBc REV (2x43 dBm)

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

S11H270101-2	≤--155dBc REV (2x43 dBm)
S11H270101-3	≤-150dBc REV (2x43 dBm)

Block Diagram



Outline Drawing