

**Product Name : 25dB Directional Coupler (D-D-N)-F 698-3800MHz****Product Model : C0738-25PDO**

The Cavity Coupler is a high-performance passive RF device used for signal coupling and power distribution in wireless communication systems. Its primary function is to extract a portion of the signal power from the main transmission path to a coupled port, enabling signal monitoring, power splitting, or signal sampling while maintaining very low intermodulation distortion. It is widely used in base stations, repeaters, In-Building distribution systems, and other scenarios to ensure signal transmission quality and system stability. The Cavity Coupler offers excellent performance in low intermodulation (PIM), low insertion loss, and high power handling, 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 bandwidth, Applicable to 5G band
- Low insertion loss
- Low PIM
- Small volume, Light weight
- Higher power capacity
- Application for indoor and outdoor humid environment using.

**Specifications**

Frequency range	698-3800MHz
Coupling	25 dB
Coupling Loss	±0.3 dB
Insertion Loss	≤0.3 dB
Isolation	≥43 dB
VSWR	≤1.3
Inter-modulation IM3	≤-160/-155/-150dBc REV (2x43 dBm)
RF Input Power, CW	300W
Impedance	50Ω
RF Connector Type	DIN F--DIN F--N F
Net Weight	≤0.43 kg
Dimensions (include connectors)	170*68*24 mm /6.69x2.68x0.94 inch
Operating temperature	-25°C to +70°C
Relative humidity	≤95%
Color	Black or Custom
RoHS	Comply with RoHS

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](http://www.jindasignal.com)



**JINDASIGNAL**

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

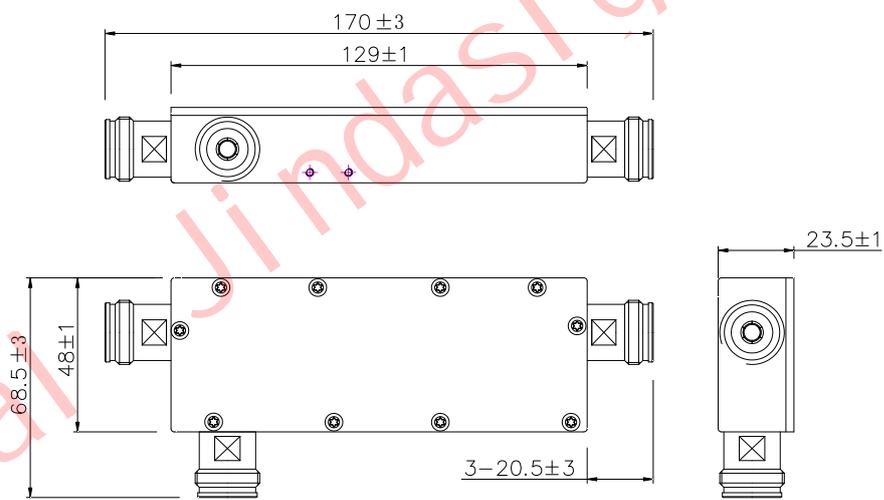
Ingress protection

IP65

**Product Selection:**

Part No	Inter-modulation IM3
T11H220018-1	-160dBc REV (2x43 dBm)
T11H220018-2	-155dBc REV (2x43 dBm)
T11H220018-3	-150dBc REV (2x43 dBm)

**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](http://www.jindasignal.com)