



JINDASIGNAL

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Product Name : 6dB Feed Coupler C0737-06PMI-DC 698-3700MHz

Product Model : C0737-06PMI-DC

The feed coupler is a high-performance passive RF device designed for signal coupling and power distribution in wireless communication systems. Its coupling port integrates a power feeding function, which can supply power to the circuit at the coupling output end. Its core function is to couple a portion of power from the main signal path to the coupling port for signal monitoring, power distribution or signal sampling, while maintaining extremely low intermodulation distortion. Widely used in scenarios such as base stations, repeaters and in-building distribution systems, it ensures signal transmission quality and system stability. The coupling port of the feed coupler features a power feeding function, and the output composite signal can supply power to composite antennas with different functions (Bluetooth positioning or IoT sensors) or downstream circuit equipment, solving the power supply problem of multi-stage devices connected to the coupler. The feed coupler boasts excellent performance in terms of low passive intermodulation (PIM), low insertion loss and high power handling capacity, making it suitable for wireless network optimization, in-building distribution systems (IBS), base transceiver stations (BTS), distributed antenna systems (DAS) and antenna-feeder systems (AFS).

Product Description

- ➔ Wide bandwidth, Applicable to 5G band
- ➔ Low insertion loss
- ➔ Low PIM
- ➔ Small volume, Light weight
- ➔ Higher power capacity
- ➔ Application for indoor



Shenzhen Jindasignal Technology Co., Ltd.

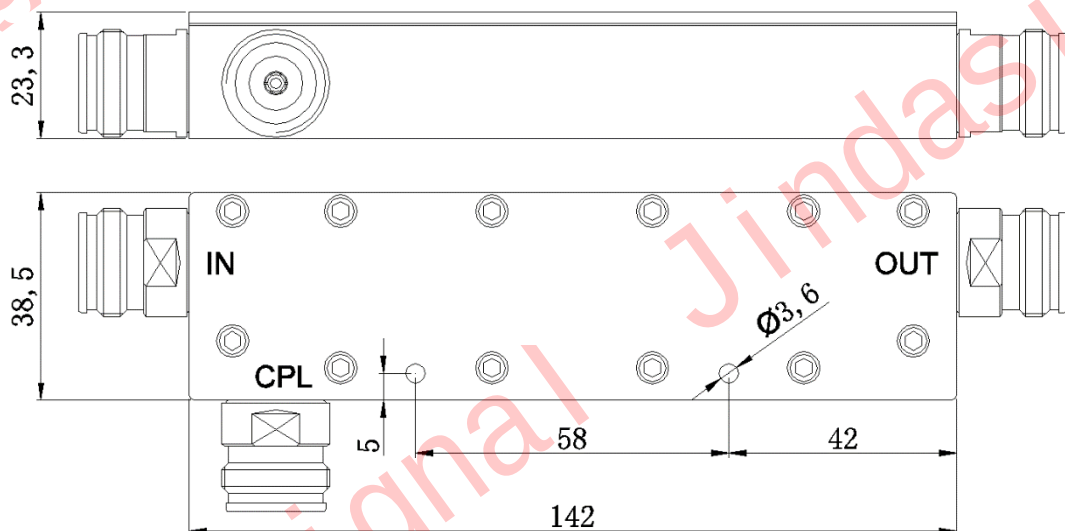
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Specifications	
Frequency range	698 - 3700 MHz
Coupling	$6 \pm 1.0\text{dB}$
Insertion Loss	$< 1.9\text{ dB}$
Isolation	$\geq 18\text{dB}@698-800$ $\geq 21\text{dB}@800-3700$
VSWR	IN, CPL $\leq 1.3 @ 800-3700\text{MHz}$ OUT $\leq 1.35 @ 800-3700\text{MHz}$ IN, OUT, CPL $\leq 1.6@698-800\text{MHz}$
Impedance	$50\ \Omega$
Inter-modulation IM3	$\leq -150\text{dBc REV } (2 \times 43\text{ dBm})$
Power capacity	$\leq 300\text{ W}$
Maximum passing current (DC48V)	3 A
Net Weight	$\leq 0.4\text{ kg}$
Dimensions (Exclude connectors)	$142 \times 38.5 \times 23.3\text{ mm} / 5.59 \times 1.52 \times 0.92\text{ inch}$
Operating temperature	-25°C to $+65^{\circ}\text{C}$
Relative humidity	$0 \sim 95\%$
Ingress protection	IP52 (Indoor)
Connector Type	4.3-10-Female
Color	Black Paint
RoHS	Comply with RoHS

Outline Drawing

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