



JINDASIGNAL

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Product Name: RF duplexer 890-915MHz/935-960MHz

Product Model: DUP900-02

The RF cavity duplexer is a key passive component in wireless communication systems, used to separate or combine RF signals of different frequency bands, enabling isolation between transmit and receive channels and efficient signal transmission. Its primary function is to ensure that transmitted and received signals do not interfere with each other while sharing the same antenna, thereby enhancing the overall performance and reliability of the communication system. The RF cavity duplexer offers excellent performance in terms of low insertion loss, and high rejection, 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

- Frequency covers 890-915MHz/935-960MHz
- Low insertion loss
- High rejection
- Suitable for indoor applications

Specifications

Frequency	890-915MHz	935-960MHz
Insertion Loss	≤2.5dB	≤1.5dB
Ripple	≤1.4dB	≤1.2dB
Rejection	≥90dB@ 930-960MHz ≥50dB@869-880 MHz ≥30dB@880-885 MHz	≥90dB@885-915 MHz
Return Loss	≥19dB	
VSWR	≤1.25	
Power	100W CW	
Impedance	50Ω	
Net Weight	≤1.03kg	
Dimensions(exclude connectors)	192 x 85x 60mm / 7.56x3.35x2.36 inch	
Operating temperature	-25°C to +65°C	
RF connector	SMA Female	
Relative humidity	0~95%	
Color	Silver-plated	
RoHS	Comply with RoHS	
Ingress protection	IP52	



Shenzhen Jindasignal Technology Co., Ltd.

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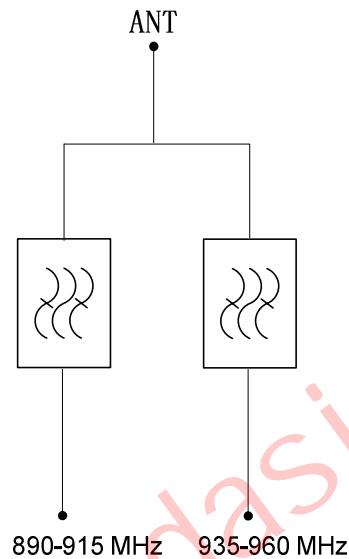
Phone: +86-755-86564010 Web site: www.jindasignal.com



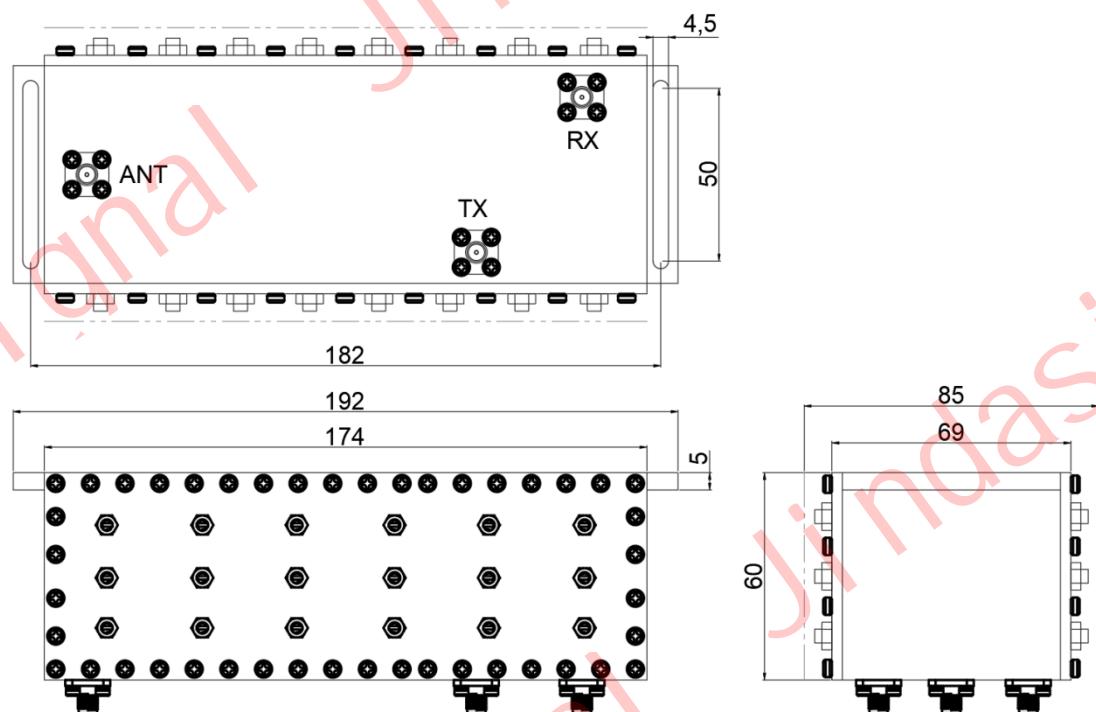
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Block Diagram



Outline Drawing



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