



JINDASIGNAL

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Product Name: RF duplexer 829-834MHz/874-879MHz

Product Model: DUP850-02

The RF cavity duplexer is a key passive device 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 829-834MHz/874-879MHz
- Low insertion loss
- High rejection
- Suitable for indoor applications

Specifications

Frequency	829-834MHz	874-879MHz
Insertion Loss	≤2.5dB	≤1.5dB
Ripple	≤0.5dB	≤0.5dB
Rejection	≥90dB@ 874-879MHz ≥40dB@885-915 MHz	≥90dB@829-834MHz
Isolation	≥85dB@829-879MHz	
Return Loss		≥19dB
VSWR		≤1.25
Power		100W CW
Impedance		50Ω
Net Weight		≤0.62kg
Dimensions(exclude connectors)	192 x 48x 60mm / 7.56x1.89x2.36 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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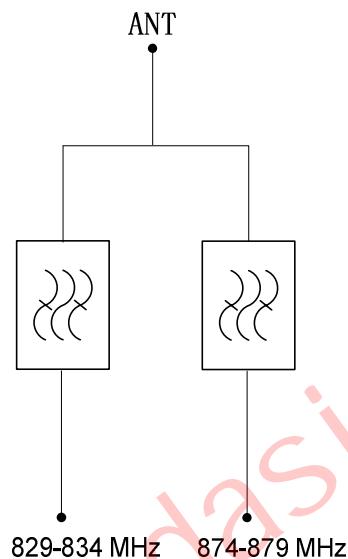
Phone: +86-755-86564010 Web site: www.jindasignal.com



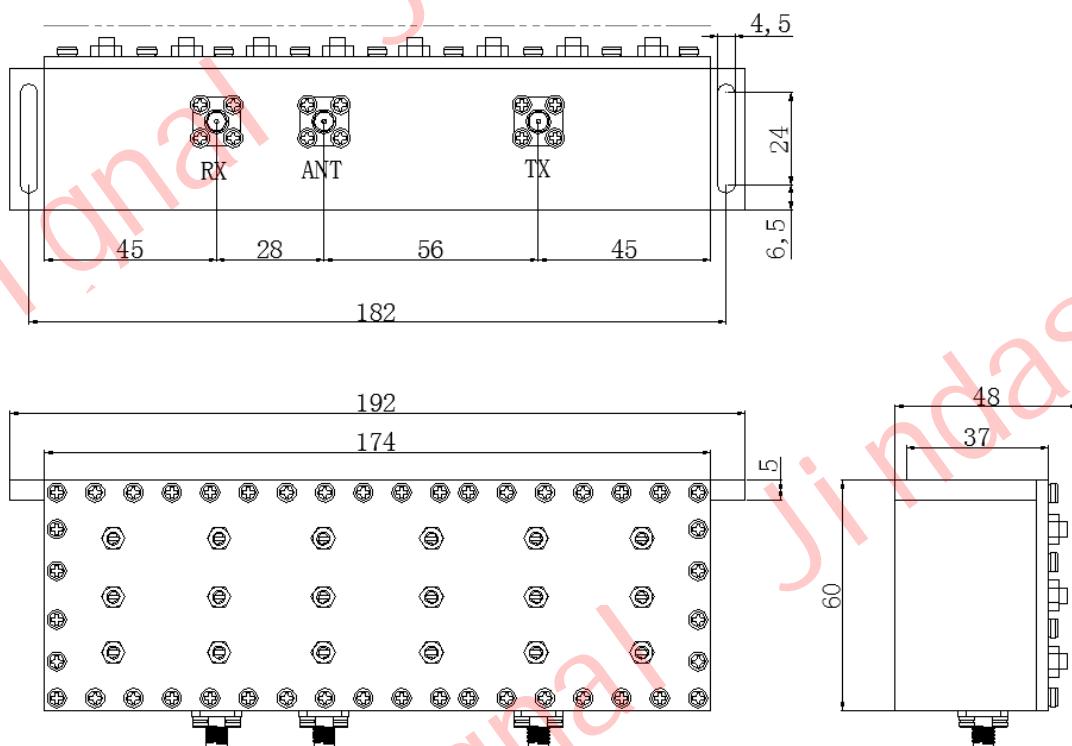
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Block Diagram



Outline Drawing



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