

Technical proposal for JX-CD2-824M915M-80NS Cavity Duplexer

◆ High Reliability

◆ High Performance

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/10/28	Lin liqun	Created	/

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JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: sales@cdjx-mw.com Web: <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65026087 ext.8033 Zip Code:610045

Add: No.65,West 1st Wu Ke Road, Wu Hou District, Cheng Du City, Si Chuan Province, China.

1. Mechanical layout

Table 1 Mechanical specifications @ JX-CD2-824M915M-80NS

Dimension	LxWxH: 140mm x 100mm x 34mm (40mm Max)
Port connectors	824-834 and 880-915: (SMA-Female)
	ANT: (N-Female)
Finish	Silver
Notes	Material shall be RoHS 6/6

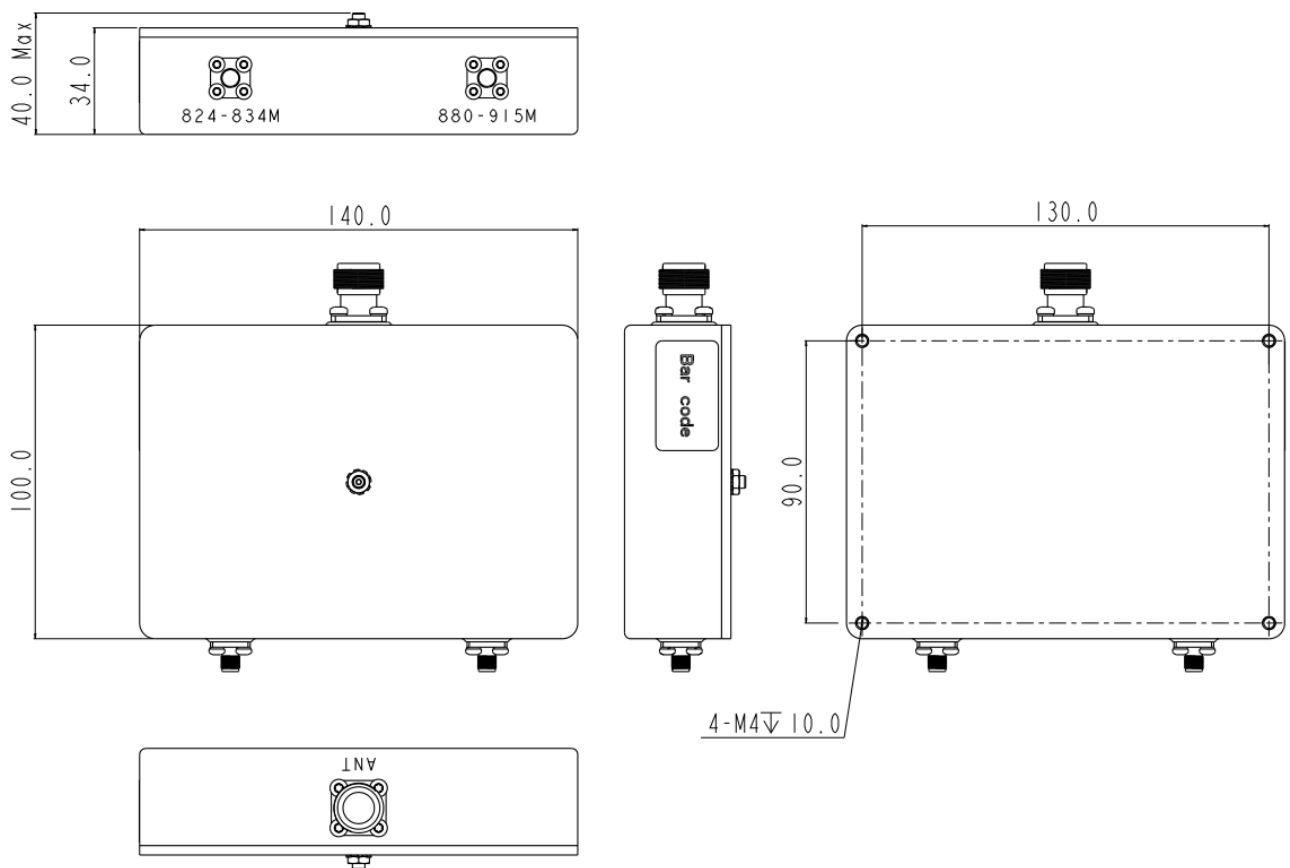


Figure 1 JX-CD2-824M915M-80NS front panel layout

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2. Electrical specifications

2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CD2-824M915M-80NS

Item	Parameter	Specifications	
1	Frequency range	824-834 MHz	880-915 MHz
2	Return loss	≥15 dB	≥15 dB
3	Insertion loss	≤1.0 dB	≤1.0 dB
4	Isolation	≥80dB@824-915 MHz	
5	Power	Input port: 100 W	
		Output port: 200W(ANT)	
6	Impedance	50Ω	

2.2 The simulation curve

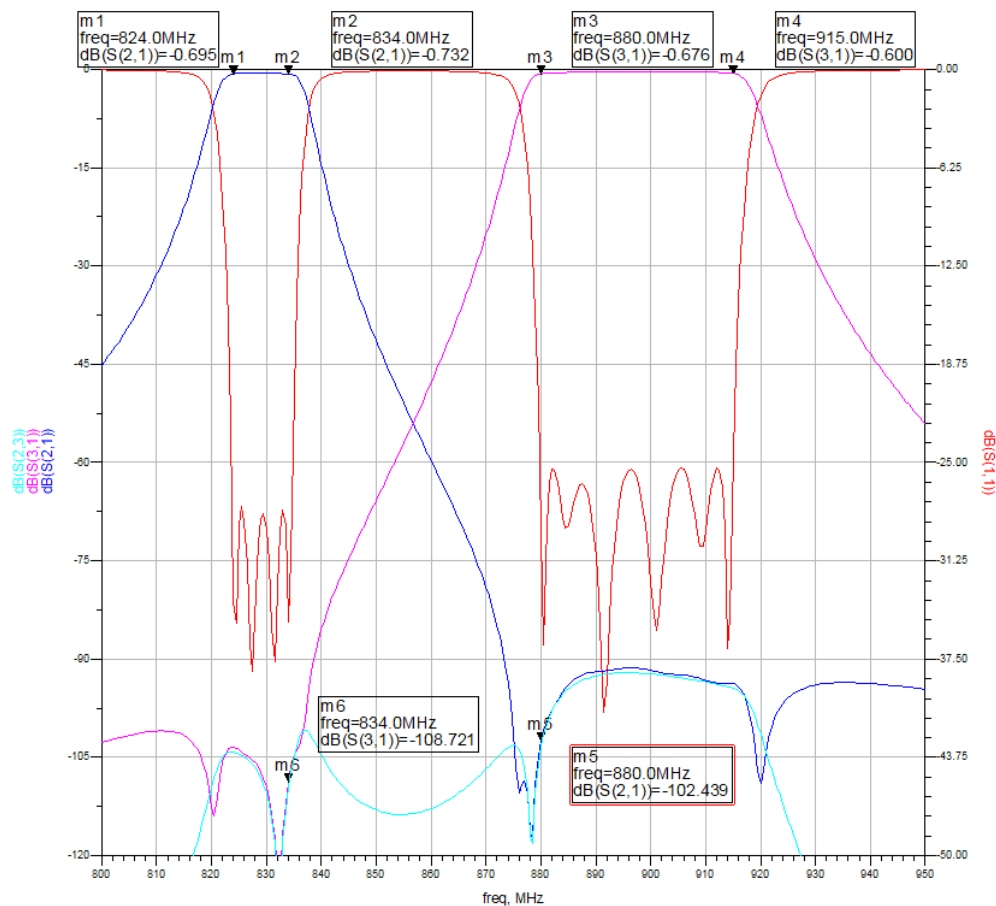


Figure 2 The simulation curve of the duplexer

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