

Technical Proposal for JX-CD2-430M467M-80N Cavity Duplexer

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2023/11/27	Sam Chen	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 specification

Table 1 Mechanical specifications @ JX-CD2-430M467M-80N

Dimension	L x W x H: 194mm x 86mm x 56mm (63mm Max)
Port connectors	N-Female
Finish	Black paint spraying
Notes	Material shall be RoHS 6/6

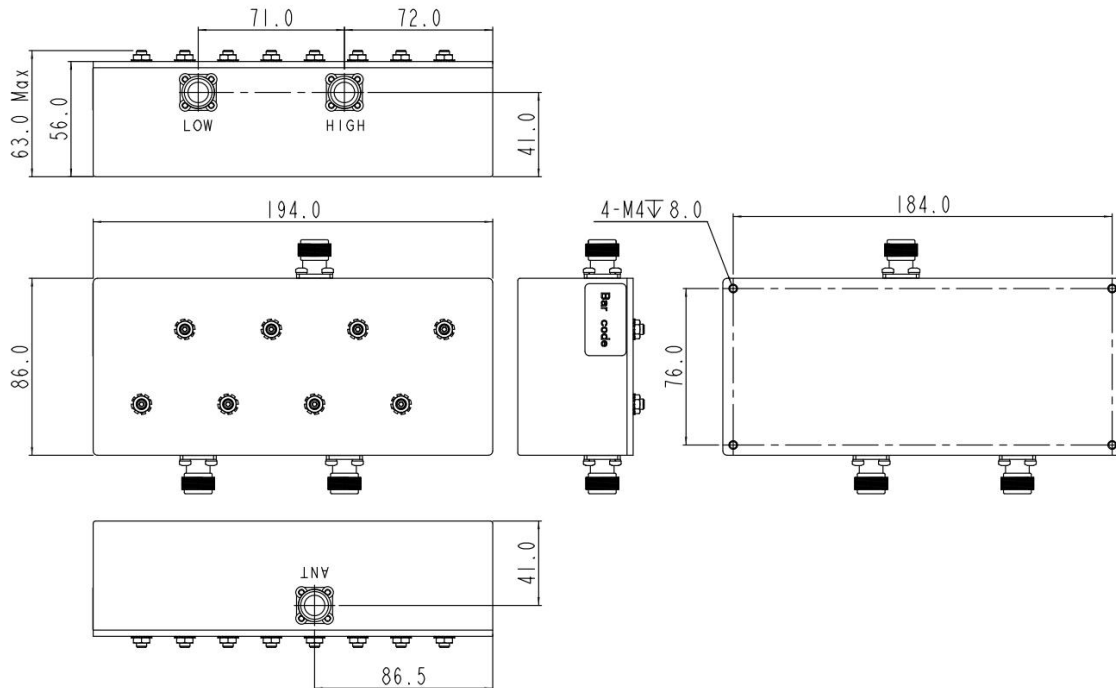


Figure 1 JX-CD2-430M467M-80N front panel layout

2. Electrical analysis

2.1 Electrical specification

Table 2 Electrical specifications @ JX-CD2-430M467M-80N

Item	Parameter	Low	High
1	Frequency range	430-440MHz	465-467MHz
2	Insertion loss	≤1.0dB	≤1.0dB
3	Return loss	≥18dB	≥18dB
4	Rejection	≥80dB@465-467MHz	≥80dB@430-440MHz
5	Power Handling	100W	
6	Impedance	50Ω	

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2.2 The simulation curve

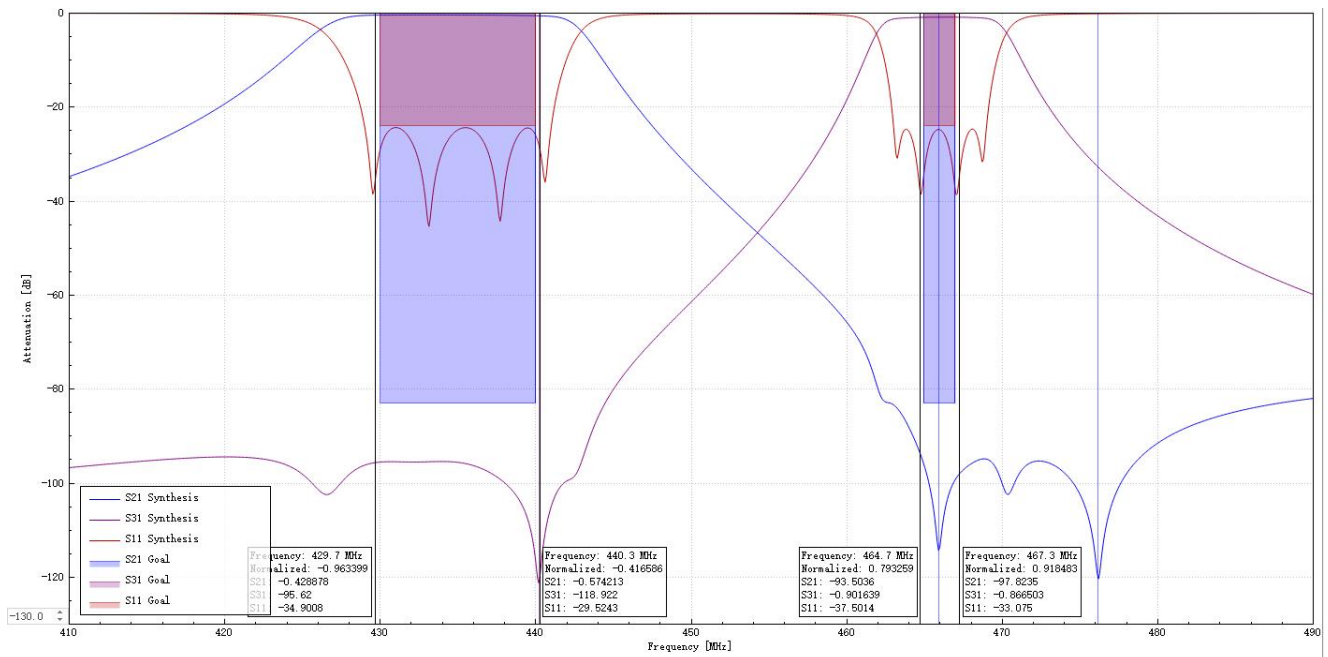


Figure 2 The simulation curve of Duplexer

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