

Technical proposal for JX-LCD2-204M1800M-50NF LC Duplexer

- ◆ High Performance
- ◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2022/07/12	Vivian	Created	/

Table of content

Technical proposal for JX-LCD2-204M1800M-50NF LC Duplexer	1
1. Mechanical layout.....	2
2. Electrical analysis.....	2
2.1 Electrical specification	2
2.2 The simulation curve	3

Figures

Figure 1 JX-LCD2-204M1800M-50NF front panel layout.....	2
Figure 2 The simulation curve of the Filter	3
Figure 3 The simulation curve of the Filter	3

Tables

Table 1 Mechanical specifications	2
Table 2 Electrical specifications.....	2

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

Dimension	L x W x H: 60mm x40mm x 25mm
Connectors	N-F
Finish	Conductive Oxidation
Notes	Material shall be RoHS 6/6

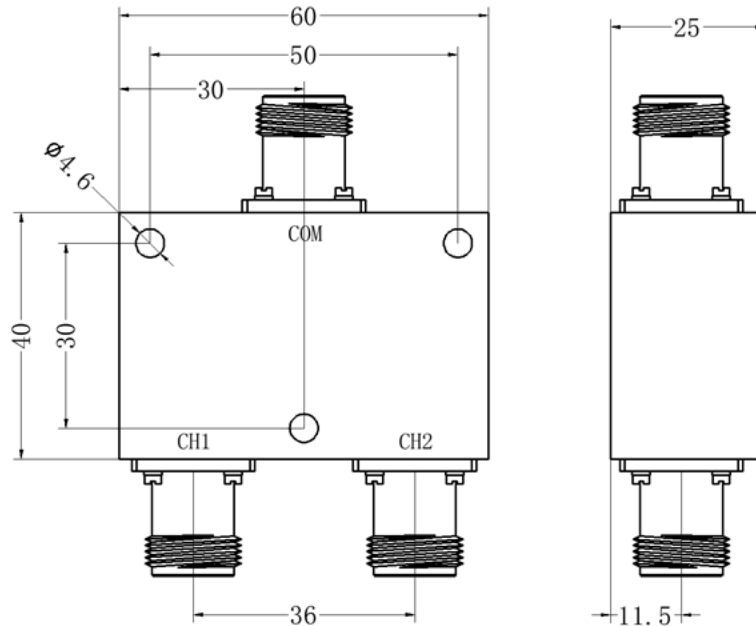


Figure 1 JX-LCD2-204M1800M-50NF front panel layout

2. Electrical analysis

2.1 Electrical specification

Table 2 Electrical specifications

Item	Parameter	Specifications	
		CH1	CH2
1	Frequency range	DC-204MHz	258-1800MHz
2	Insertion loss	≤1.0dB	≤1.0dB
3	VSWR	≤1.5	
4	Isolation	≥50dB	
5	Operational Temperature	-25°C~+45°C	
6	Impedance	50ohm	

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.

2.2 The simulation curve

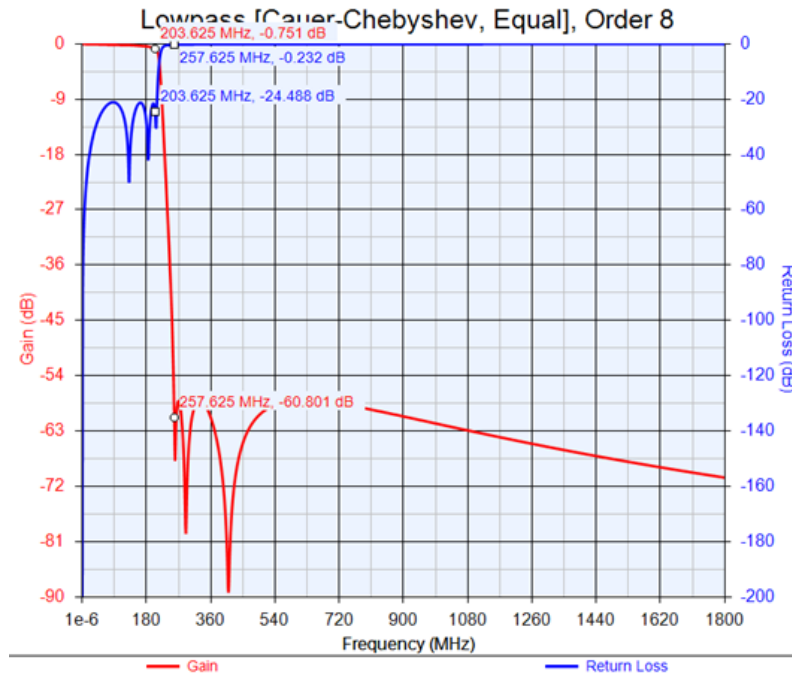


Figure 2 The simulation curve of the Filter

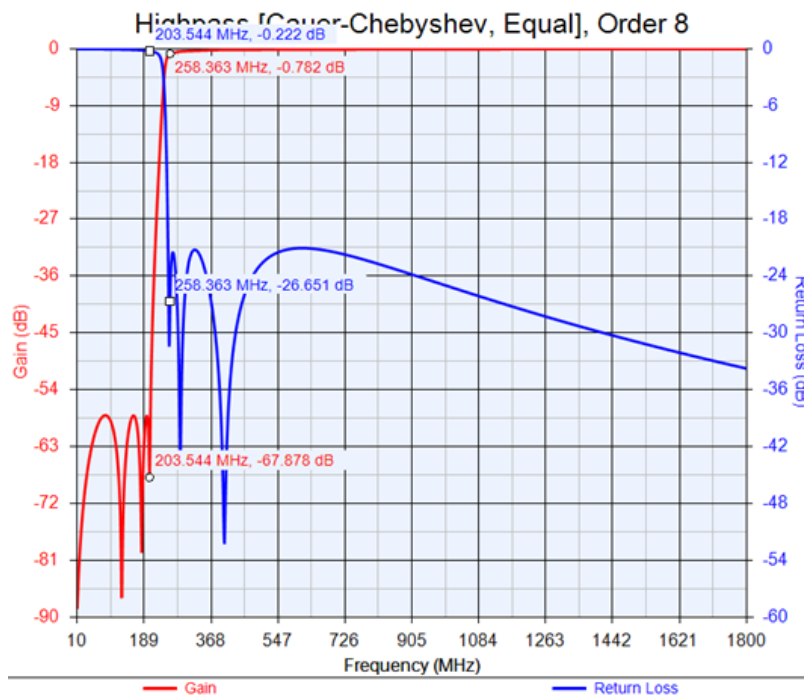


Figure 3 The simulation curve of the Filter

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.