

# Technical proposal for JX-LCD2-88M1800M-50NF LC Duplexer

- ◆ High Performance
- ◆ High Reliability

## Revision History

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

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## 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

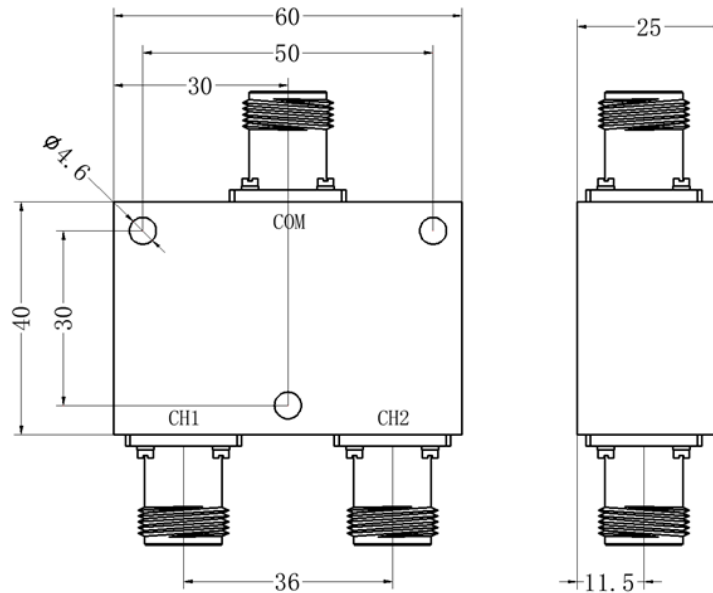


Figure 1 JX-LCD2-88M1800M-50NF front panel layout

## 2. Electrical analysis

### 2.1 Electrical specification

Table 2 Electrical specifications

Item	Parameter	Specifications	
		CH1	CH2
1	Frequency range	DC-88MHz	108-1800MHz
2	Insertion loss	≤1.0dB	≤1.0dB
3	VSWR	≤1.5	
4	Isolation	≥50dB	
5	Operational Temperature	-25°C~+45°C	
6	Impedance	50ohm	

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2.2 The simulation curve

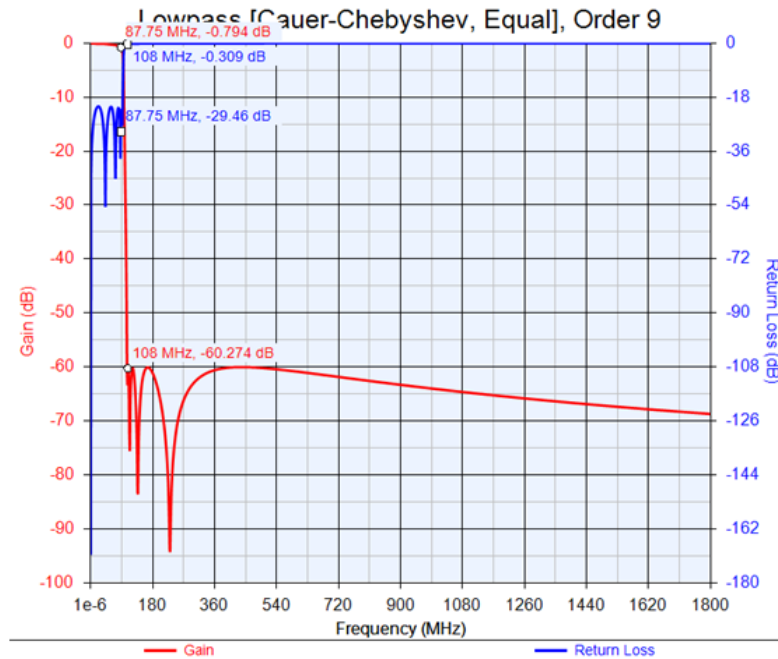


Figure 2 The simulation curve of the Filter

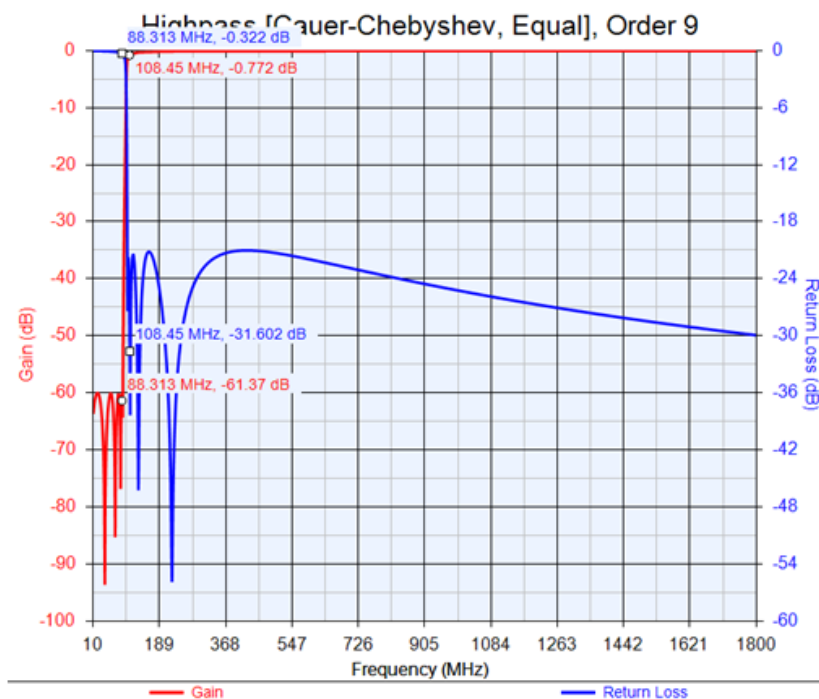


Figure 3 The simulation curve of the Filter

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