

Technical proposal for JX-LCD2-30M4200M-30SF LC Duplexer

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2024/07/10	David.Pu	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-LCD2-30M4200M-30SF

Dimension	L x W x H: 40 x 30 x 15mm
Connector	SMA-Female
Surface Finish	Conductive oxidation
Notes	Material shall be RoHS 6/6

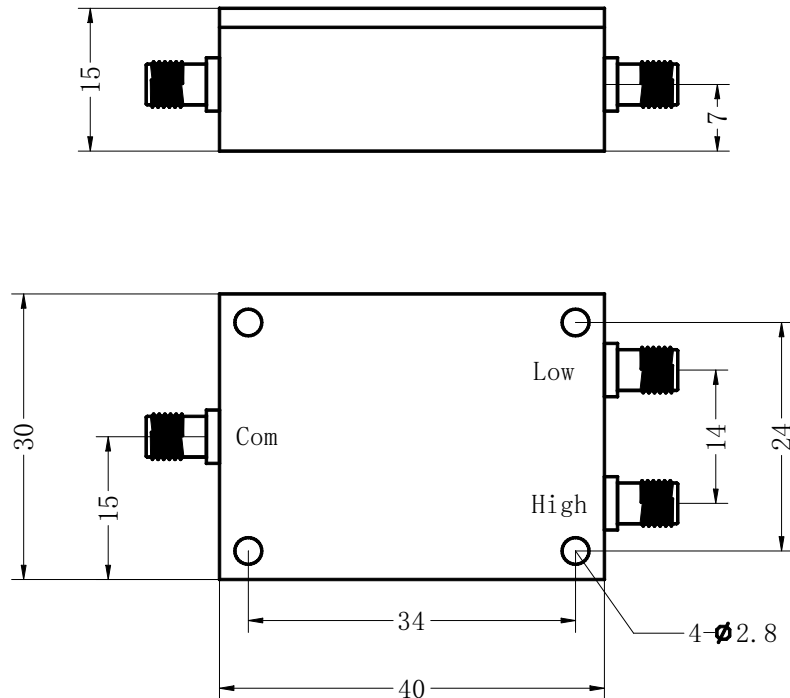


Figure 1 JX-LCD2-30M4200M-30SF front panel layout

2. Electrical analysis

Table 2 Electrical specifications @ JX-LCD2-30M4200M-30SF

Item	Parameter	Low	High
1	Frequency range	30-500MHz	703-4200MHz
2	Insertion Loss	≤ 1.0 dB	
3	Return loss	≥ 12 dB	
4	Rejection	≥ 30 dB	
5	Impedance	50 Ohms	
6	Average power	4W	
7	Peak power	6W	

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8	Operation Temperature	-25°C to 65°C
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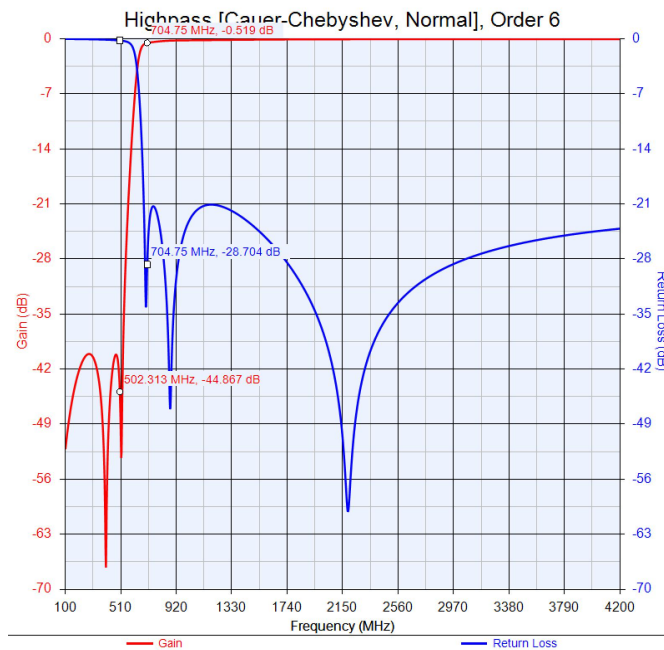
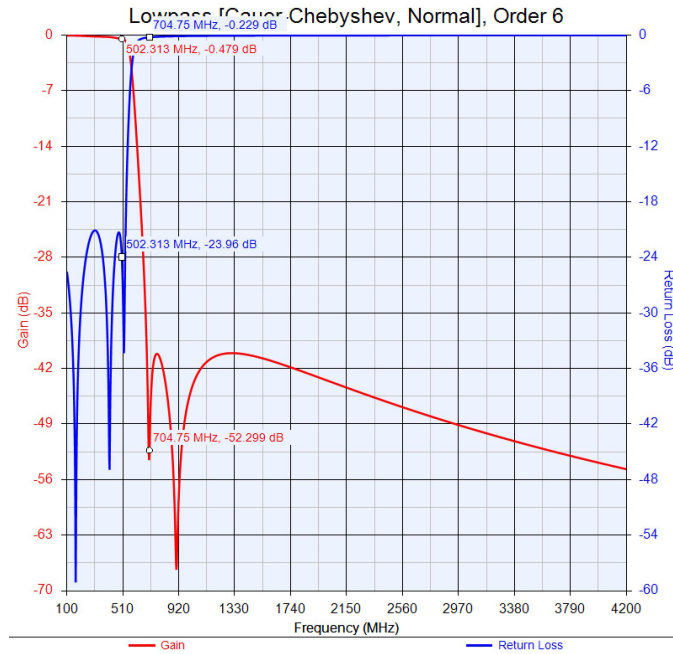


Figure 2 The simulation curve of the filter

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