

Technical proposal for JX-CF1-1574M1575M-20NS Cavity Filter

◆ Low Insertion Loss

◆ Small Volume

◆ High Rejection

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/07/29	Sam Chen	Created	/

Table of content

Technical proposal for JX-CF1-1574M1575M-20NS Cavity Filter	1
1. Mechanical layout.....	2
2. Electrical analysis.....	3
2.1 Electrical specifications	3
2.2 The simulation curve	3

Figures

Figure 1 JX-CF1-1574M1575M-20NS front panel layout	2
Figure 2 The simulation curve of the Filter	3

Tables

Table 1 Mechanical specifications @ JX-CF1-1574M1575M-20NS	2
Table 2 Electrical specifications @ JX-CF1-1574M1575M-20NS	3

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-CF1-1574M1575M-20NS

Dimension	LxWxH: 133 mm x Max56 mm x 28mm
Port connectors	Input: N-Female ; Output: SMA-Female
Finish	Silver
Notes	Material shall be RoHS 6/6

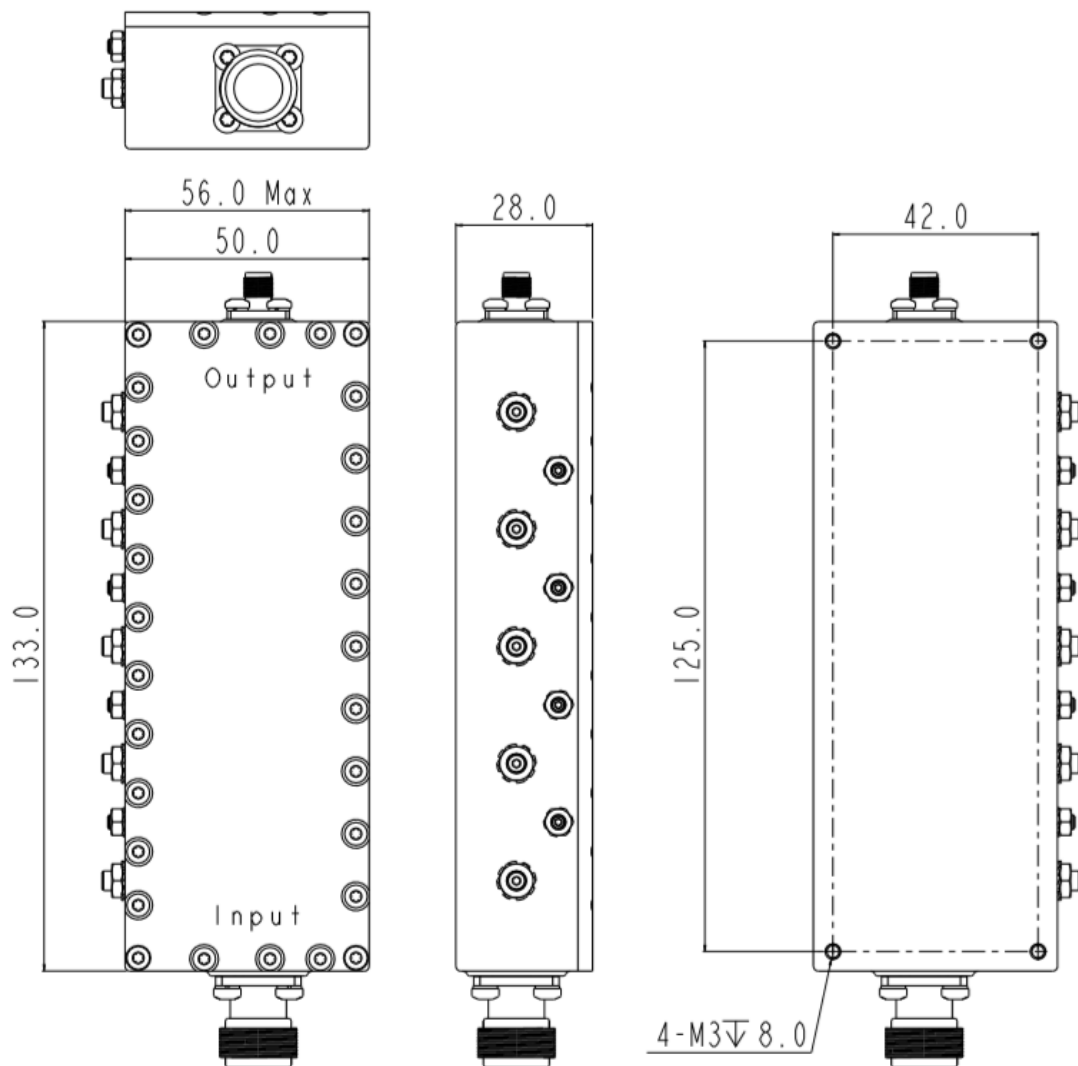


Figure 1 JX-CF1-1574M1575M-20NS front panel layout

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2. Electrical analysis

2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-1574M1575M-20NS

Item	Parameter	Input-Output	
1	Frequency range	1574.92-1575.92 MHz	
2	Insertion loss	≤ 14.0 dB	
3	Return loss	≥ 13 dB	
4	Rejection	≥ 20dB @1573.92MHz	≥ 20dB @1576.92MHz
5	Power	20 W	
6	Impedance	50 Ω	

2.2 The simulation curve

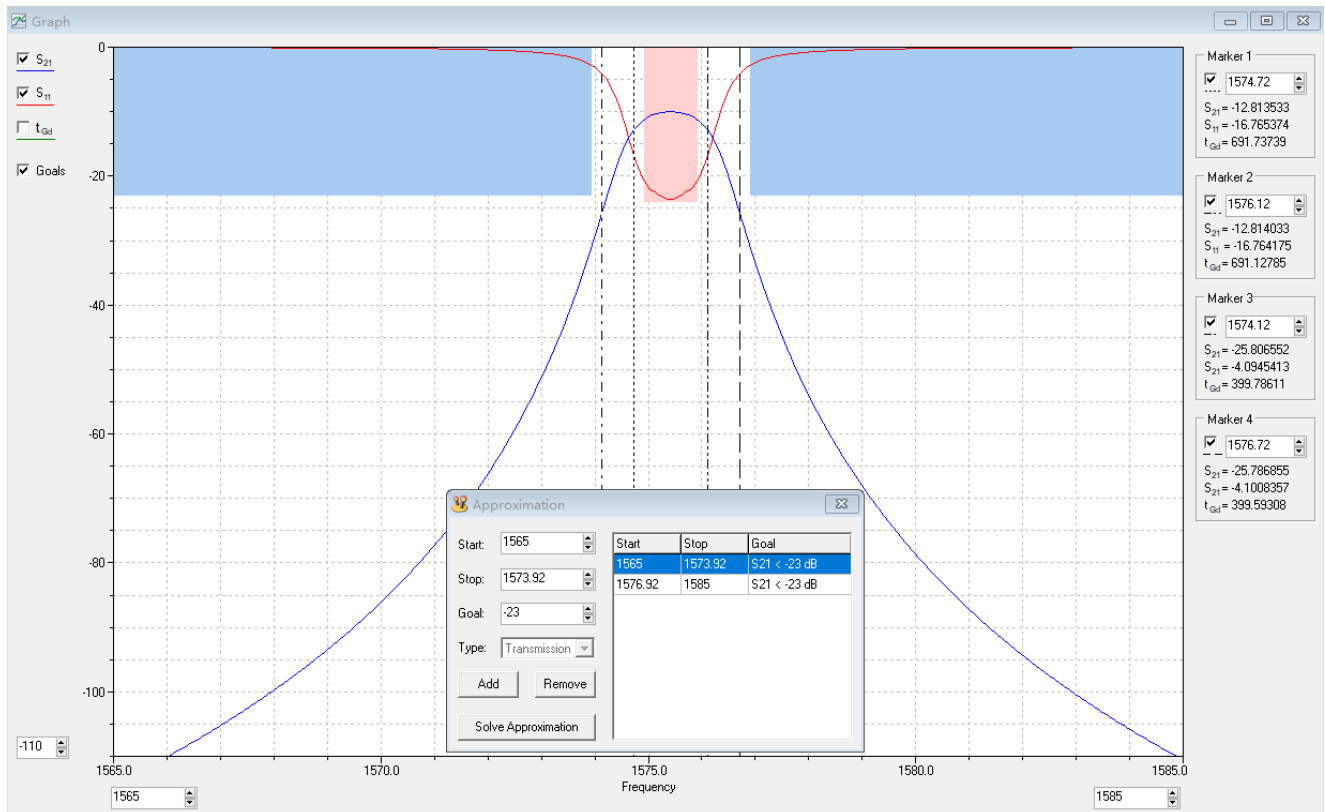


Figure 2 The simulation curve of the Filter

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