

# Technical proposal for JX-CF1-1176M1177M-20NS Cavity Filter

- ◆ Low Insertion Loss
- ◆ High Rejection
- ◆ Small Volume
- ◆ 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-CF1-1176M1177M-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-CF1-1176M1177M-20NS front panel layout .....	2
Figure 2 The simulation curve of the Filter .....	3

## Tables

Table 1 Mechanical specifications @ JX-CF1-1176M1177M-20NS .....	2
Table 2 Electrical specifications @ JX-CF1-1176M1177M-20NS .....	3

**JING XIN MICROWAVE TECHNOLOGY CO.,LTD**

E-mail: [sales@cdjx-mw.com](mailto: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 @ JX-CF1-1176M1177M-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

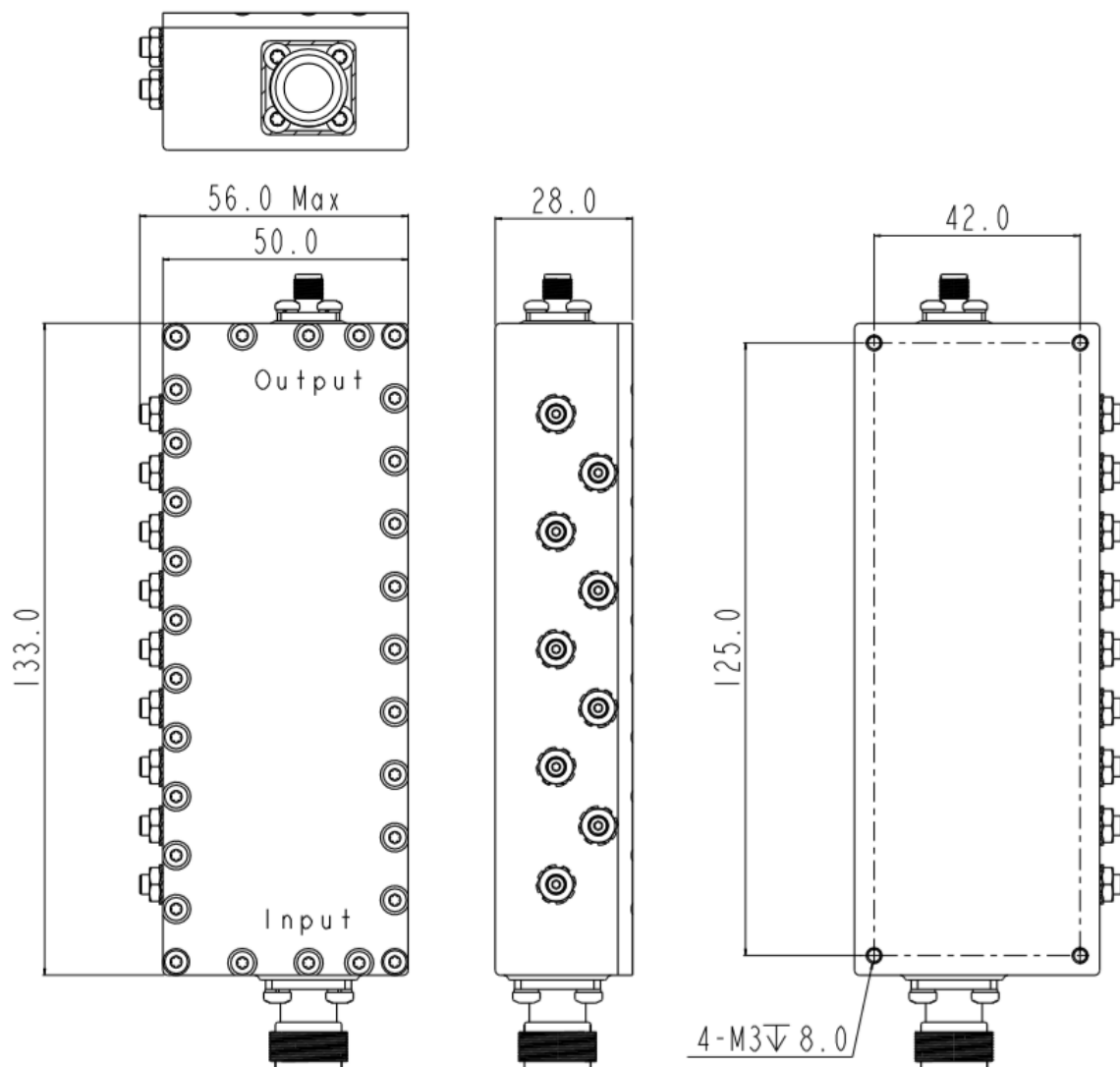


Figure 1 JX-CF1-1176M1177M-20NS front panel layout

**JING XIN MICROWAVE TECHNOLOGY CO.,LTD**

E-mail: [sales@cdjx-mw.com](mailto: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. Electrical analysis

### 2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-1176M1177M-20NS

Item	Parameter	Input-Output	
1	Frequency range	1176-1177MHz	
2	Insertion loss	≤ 12.0dB	
3	Return loss	≥ 14dB	
4	Rejection	≥ 20dB @ 1175MHz	≥ 20dB @ 1178MHz
5	Power	20W	
6	Impedance	50Ω	

### 2.2 The simulation curve

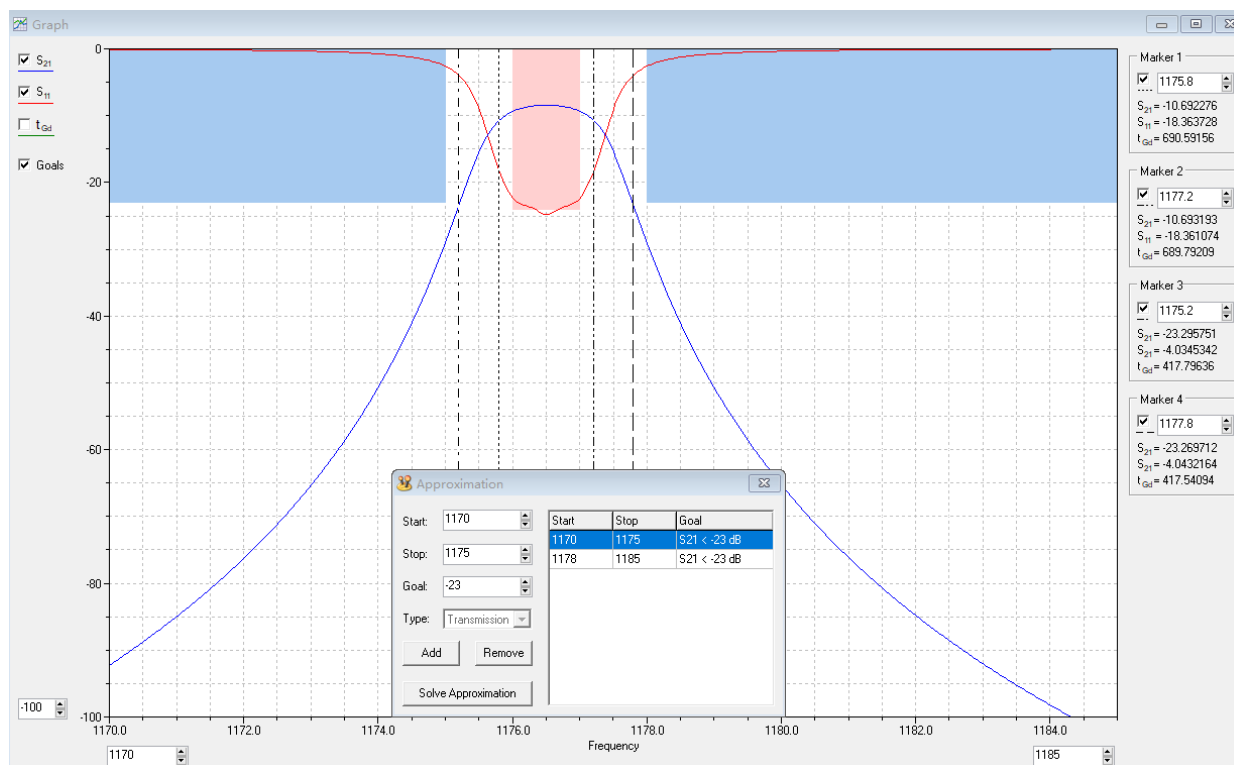


Figure 2 The simulation curve of the Filter

**JING XIN MICROWAVE TECHNOLOGY CO.,LTD**

E-mail: [sales@cdjx-mw.com](mailto: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.