

# Technical proposal for JX-CF1-3300M3800M-S60 Cavity Filter

◆ High Performance

◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2021/06/02	Lee	Created	/

## Table of content

Technical proposal for JX-CF1-3300M3800M-S60 Cavity Filter.....	1
1. Mechanical layout.....	2
2. Electrical analysis.....	3
2.1 Electrical specification.....	3
2.2 The simulation curve.....	3

## Figures

Figure 1 JX-CF1-3300M3800M-S60 front panel layout.....	2
Figure 2 The simulation curve of the filter.....	3

## Tables

Table 1 Mechanical specification @ JX-CF1-3300M3800M-S60.....	2
Table 2 Electrical specification @ JX-CF1-3300M3800M-S60.....	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 specification @ JX-CF1-3300M3800M-S60

Dimension	L x W x H: 80mm x 40mm x 23mm (Max 28.0mm)
Port connectors	SMA-Female
Mounting	4-M3 deep 8.0mm
Weight	≤0.4kg
Finish	Black (Paint spraying)
Notes	Material shall be RoHS 6/6

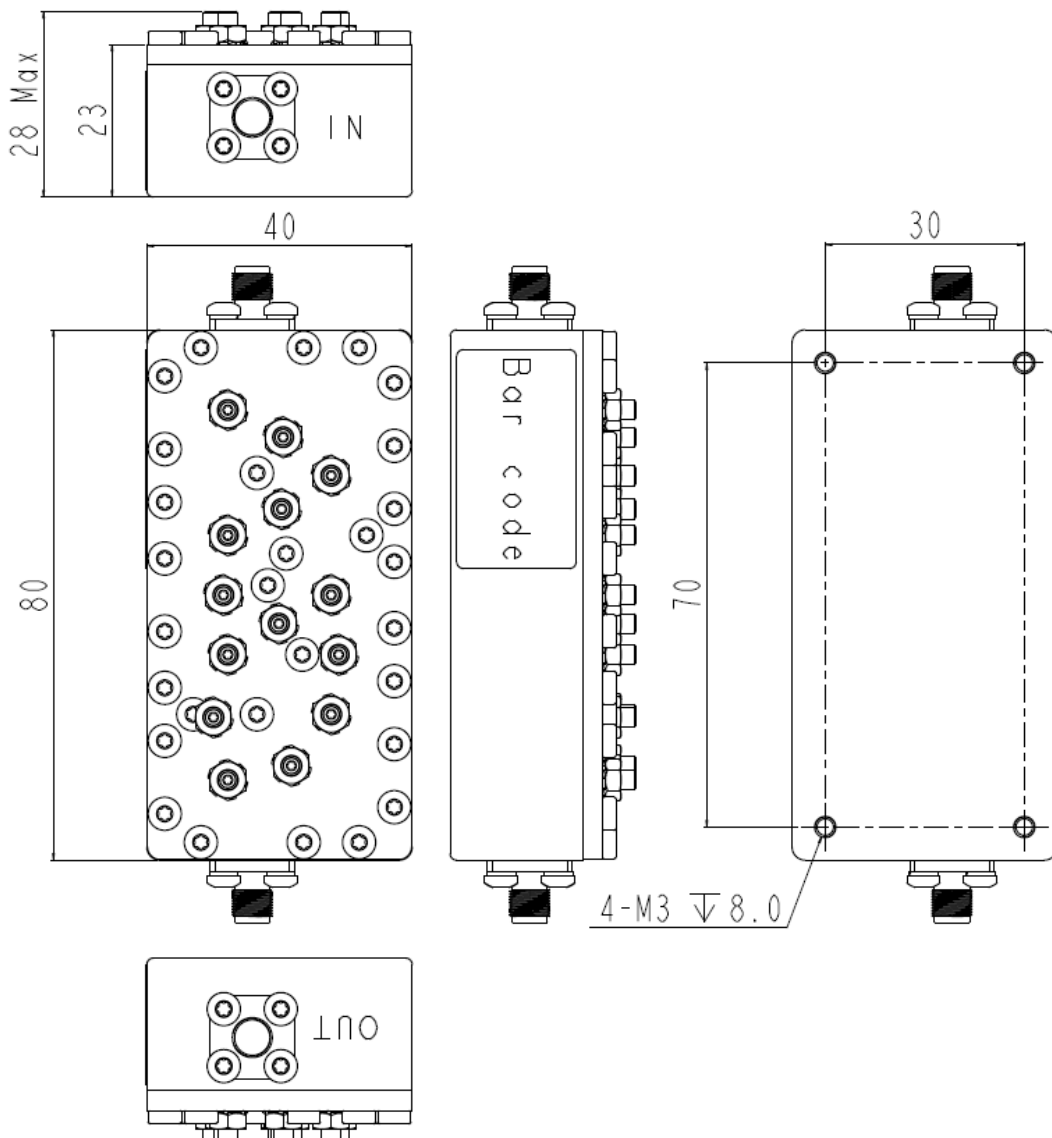


Figure 1 JX-CF1-3300M3800M-S60 front panel layout

**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 specification

Table 2 Electrical specification @ JX-CF1-3300M3800M-S60

Item	Parameter	Specifications
1	Frequency range	3300-3800MHz
2	Return loss	$\geq 15\text{dB}$
3	Insertion loss	$\leq 3.0\text{dB}$
4	Ripple in band	$\leq 0.5\text{dB}$
5	Rejection	$\geq 60\text{dB}$ @ 703-2690MHz&4000-6000MHz
6	Power	1 W average max 5 W peak max
7	Temperature range	0°C to +55°C
8	Impedance	50 $\Omega$

### 2.2 The simulation curve

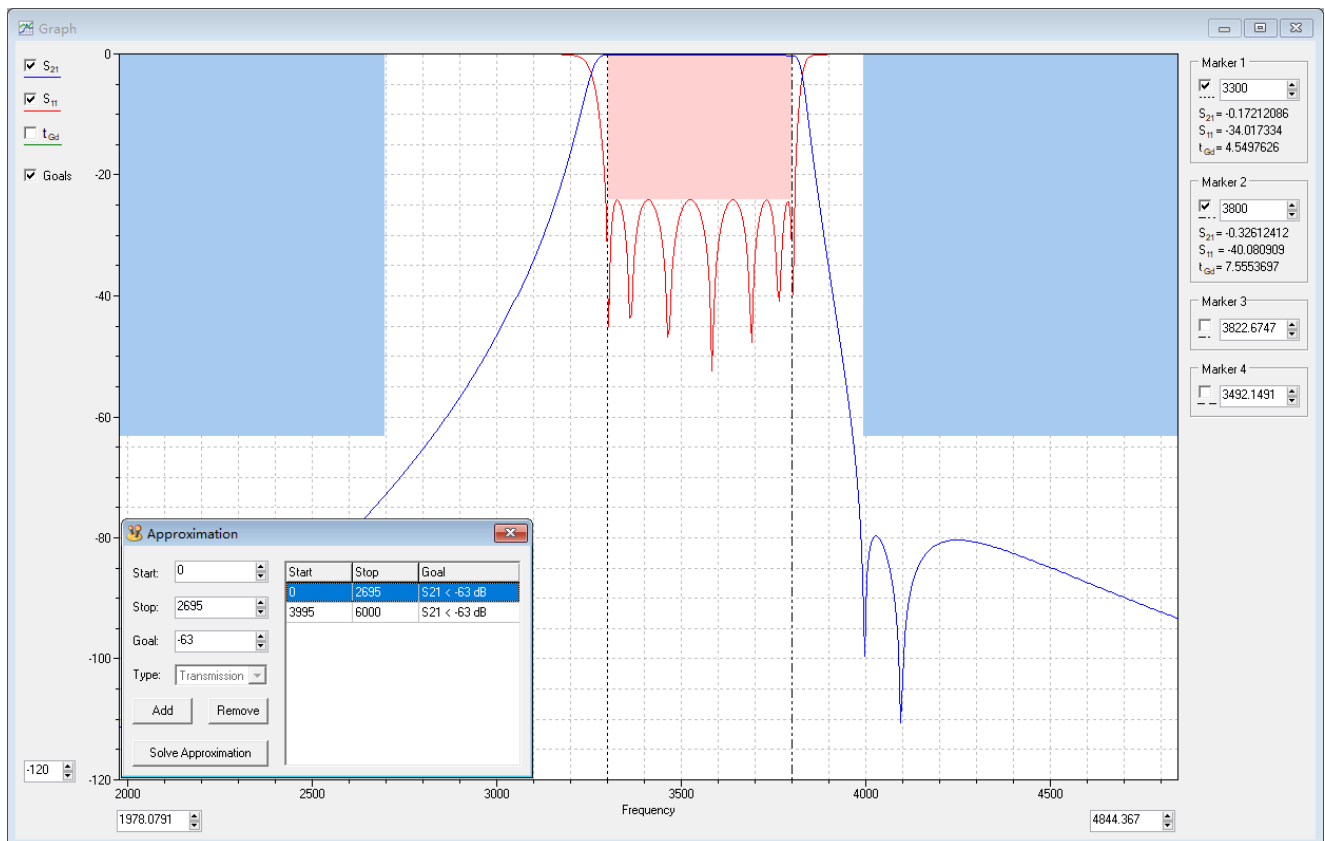


Figure 2 The simulation curve of the filter

**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.