

Technical proposal for JX-CF1-2405M2495M-30NWP Cavity Filter

- ◆ Low Insertion Loss
- ◆ High Rejection
- ◆ High Reliability
- ◆ IP67 Waterproof

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2018/08/23	Lee	Created	/

JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: sales@cdjx-mw.com Web: <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65941390 Zip Code:610045

Add: No.65,West 1st Wu Ke Road, Wu Hou District, Cheng Du City, Si Chuan Province, China.

Table of content

Technical proposal for JX-CF1-2405M2495M-30NWP Cavity Filter.....	1
1. Mechanical layout.....	3
2. Electrical analysis.....	4
2.1 Electrical specifications	4
2.2 The simulation data	4

Figures

Figure 1 JX-CF1-2405M2495M-30NWP front panel layout.....	3
Figure 2 The simulation curve of the Filter	4

Tables

Table 1 Mechanical Specifications @ JX-CF1-2405M2495M-30NWP	3
Table 2 Electrical specifications @ JX-CF1-2405M2495M-30NWP.....	4

JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: sales@cdjx-mw.com Web: <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65941390 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-CF1-2405M2495M-30NWP

Dimension	LxWxH: 156mm x 88mm x 41mm
Port connectors	N-Male / N-Female
Finish	Gray
Relative Humidity	0 to 95%
Waterproof	IP67
Notes	Material shall be RoHS 6/6

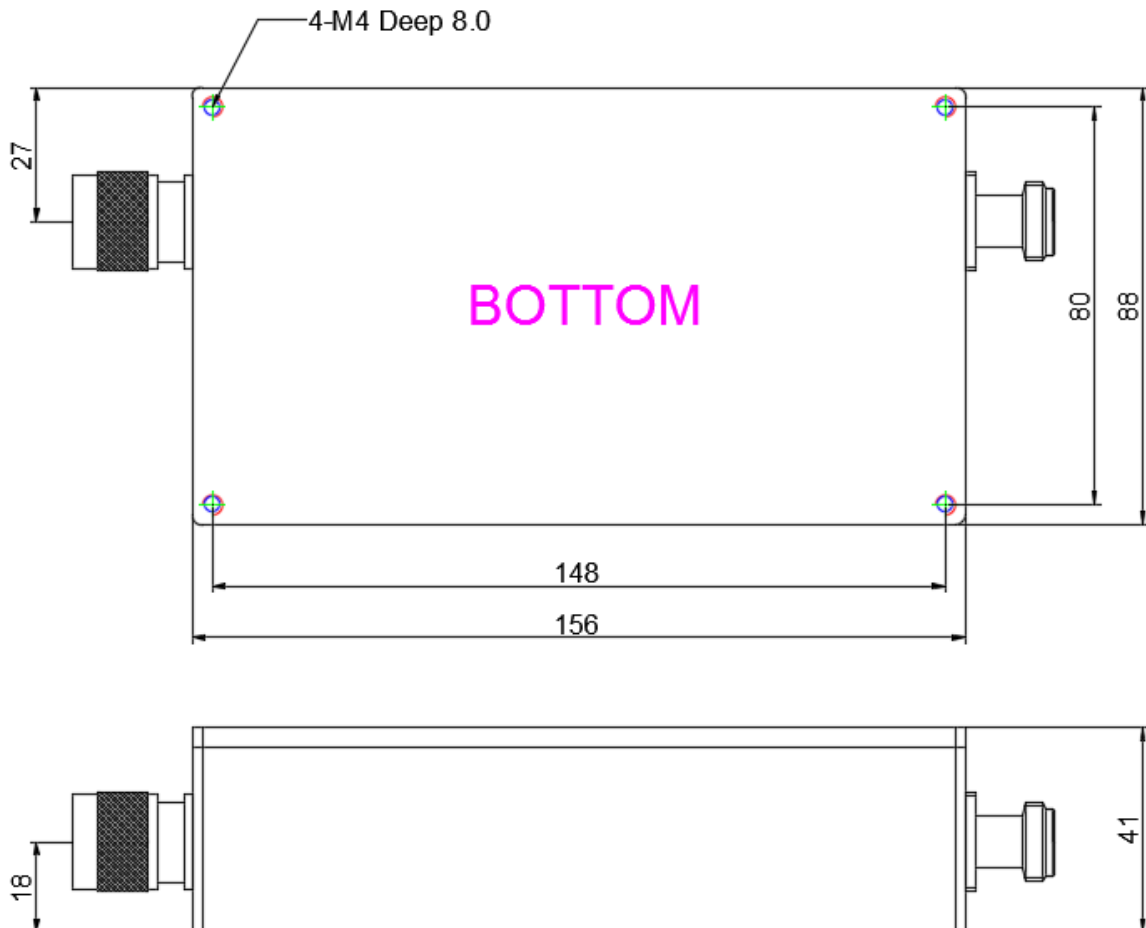


Figure 1 JX-CF1-2405M2495M-30NWP front panel layout

JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: sales@cdjx-mw.com Web: <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65941390 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-CF1-2405M2495M-30NWP

Item	Frequency Range	2405-2495MHz
1	Insertion Loss	$\leq 0.8\text{dB}$
2	Ripple	$\leq 0.6\text{dB}$
3	Return Loss	$\geq 16\text{dB}$
4	Rejection	$\geq 50\text{dB}$ @ DC-2370MHz $\geq 30\text{dB}$ @ 2370-2390MHz $\geq 30\text{dB}$ @ 2510-2530MHz $\geq 50\text{dB}$ @ 2530-6000MHz
5	Power Handling	100W CW max
6	Impedance	50 ohm
7	Operating Temperature Range	-30°C to $+70^{\circ}\text{C}$
8	Storage temperature	-50°C to $+125^{\circ}\text{C}$

2.2 The simulation data

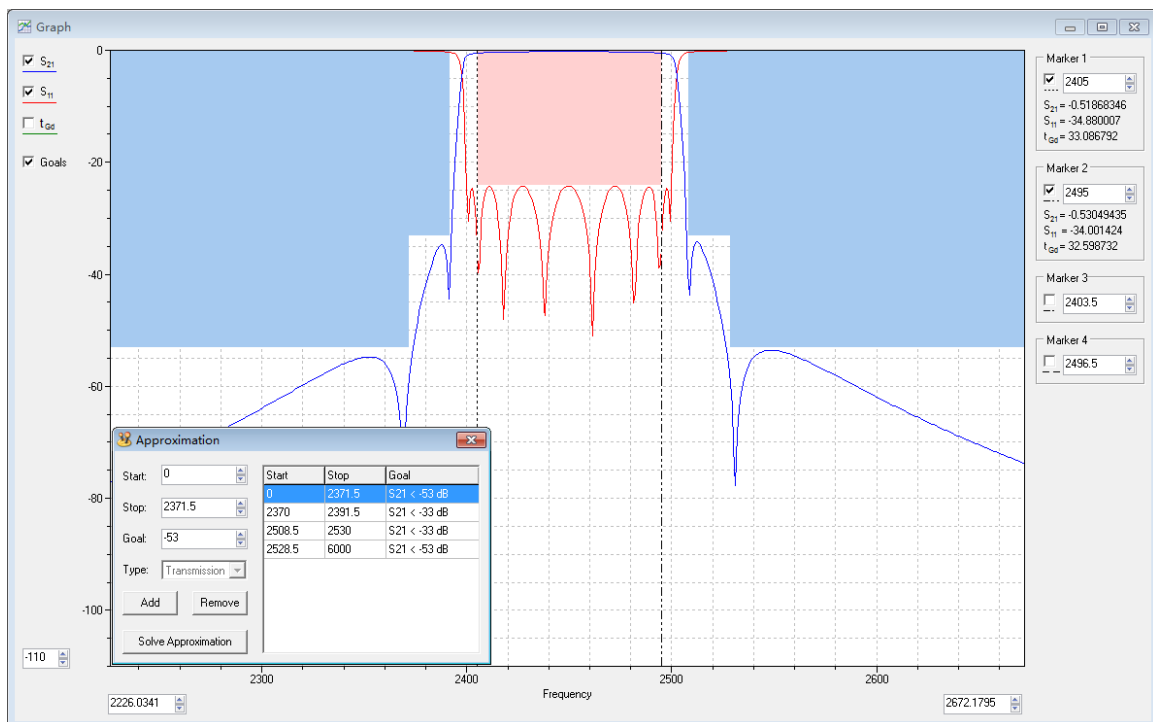


Figure 2 The simulation curve of the Filter

JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: sales@cdjx-mw.com Web: <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65941390 Zip Code:610045

Add: No.65,West 1st Wu Ke Road, Wu Hou District, Cheng Du City, Si Chuan Province, China.