

Technical proposal for JX-CF-15950-P600S Cavity Filter

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2017/08/23	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-CF-15950-P600S Cavity Filter.....	1
1. Mechanical layout.....	3
2. Electrical analysis.....	3
2.1 Schematic diagram of the Filter.....	3
2.2 Electrical specifications.....	4
2.3 The simulation curve.....	4

Figures

Figure 1 JX-CF-15950-P600S front panel layout.....	3
Figure 2 Topology of the Filter.....	3
Figure 3 The simulation curve of the Filter.....	4

Tables

Table 1 Mechanical specifications @ JX-CF-15950-P600S.....	3
Table 2 Electrical specifications @ JX-CF-15950-P600S.....	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-CF-15950-P600S

Dimension	LxWxH: 55.4mm x 17.2mm x 9.7 mm
Connectors	SMA-Female Removable Type
Finish	Silver
Notes	Material shall be RoHS 6/6

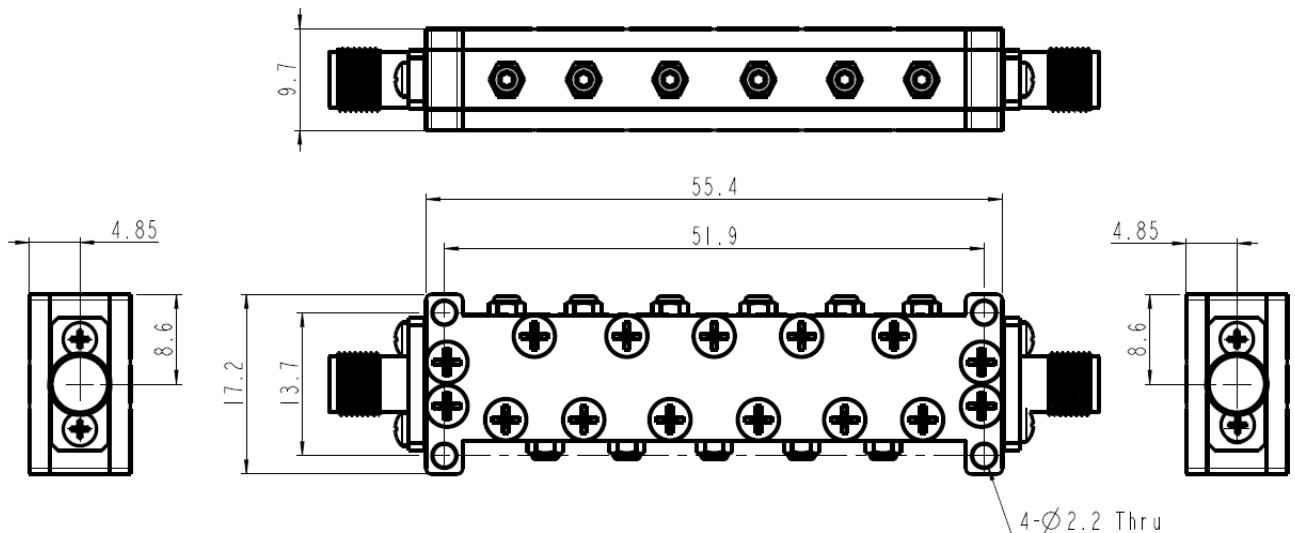


Figure 1 JX-CF-15950-P600S front panel layout

2. Electrical analysis

2.1 Schematic diagram of the Filter



Figure 2 Topology 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.

2.2 Electrical specifications

Table 2 Electrical specifications @ JX-CF-15950-P600S

Item	Parameter	Specification	JX Suggest
1	Center Frequency	15950MHz	OK
2	Frequency Range	15650-16250MHz	OK
3	Return loss	≥16 dB	OK
4	Insertion loss	≤2.0 dB	OK
5	Attenuation	≥30 dB@15200MHz ≥30 dB@16700MHz	OK
6	Power handling	5 Watt	OK
7	Impedance all ports	50 Ohm	OK
8	Operating Temperature Range	-30°C to 70°C	OK

2.3 The simulation curve

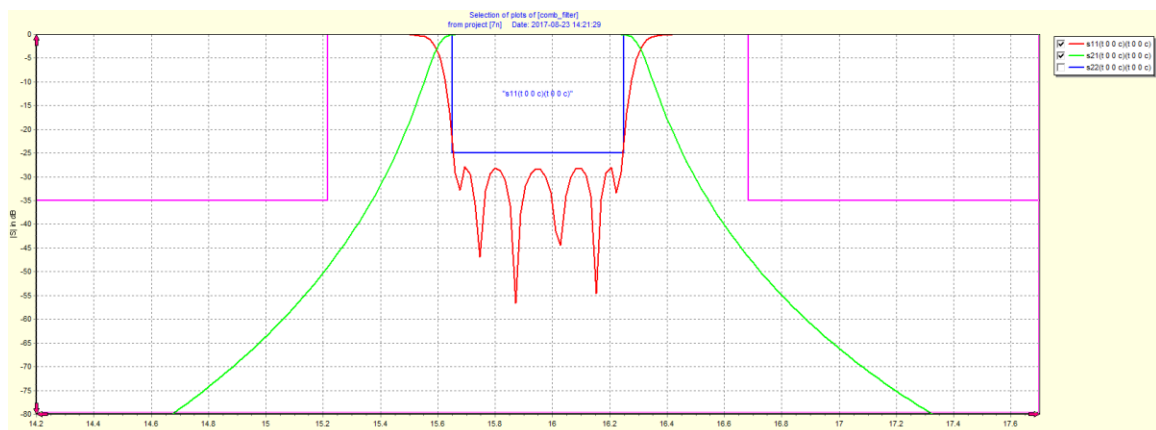
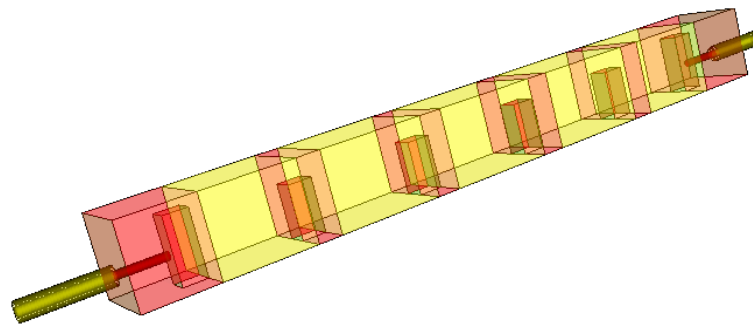


Figure 3 The simulation curve of the Filter

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.