

# Technical proposal for JX-CF1-20G28G-13J Cavity Filter

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2018/03/28	Lee	Created	/

**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: +86-28-65941390 Zip Code:610045

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

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## 1. Mechanical layout

Table 1 Mechanical Specifications @ JX-CF1-20G28G-13J

Dimension	LxWxH: 48.7mm x 8.5mm x 17mm
Port connectors	SMA-Female
Finish	Silver
Notes	Material shall be RoHS 6/6

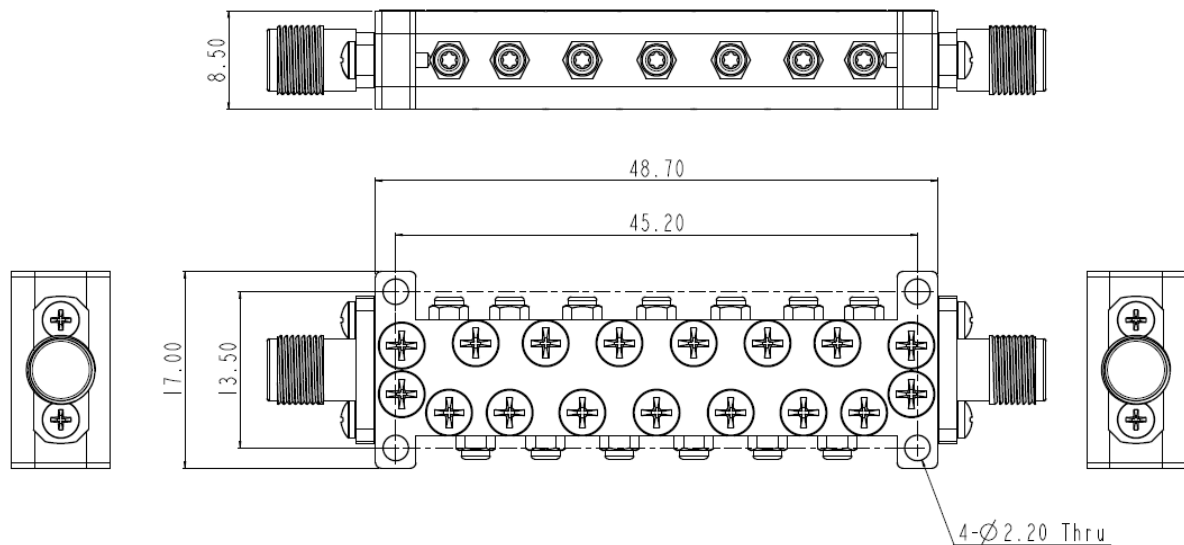


Figure 1 JX-CF1-20G28G-13J front panel layout

## 2. Electrical analysis

### 2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-20G28G-13J

Item	Frequency Band	20.0-28.0GHz
1	Center Frequency	24.0GHz
2	Bandwidth	8.0GHz
3	Return Loss	≥12dB
4	Insertion loss	≤3.2dB
5	Ripple In Bands	≤0.5dB
6	Rejection	≥55dB @ 0-14.0GHz ≥55dB @ 30.5-44.0GHz

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## 2.2 The simulation curve

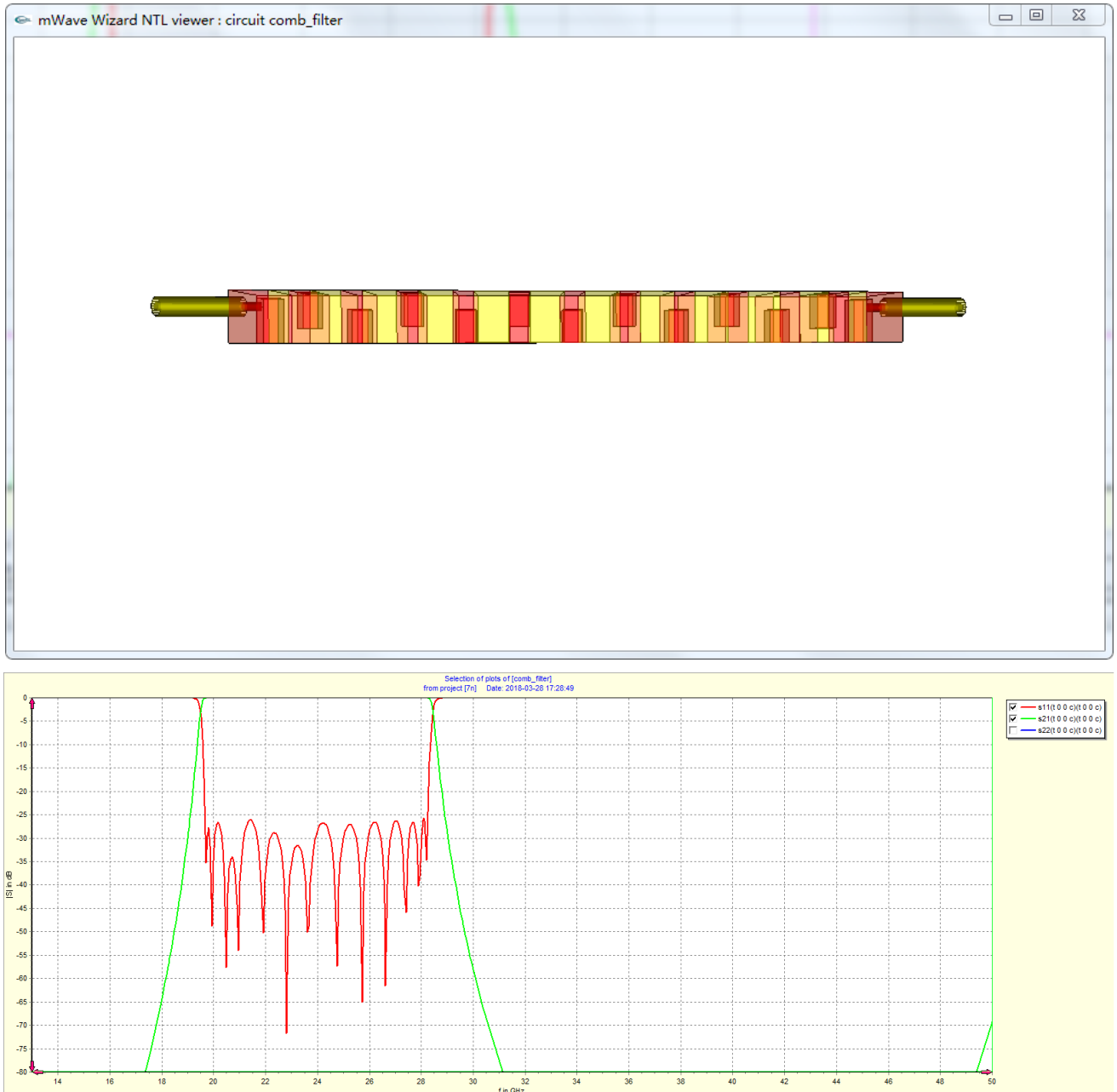


Figure 2 The simulation curve of the Filter

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