

Technical proposal for JX-CF1-28G40G-13J Cavity Filter

Revision History

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1. Mechanical layout

Table 1 Mechanical Specifications @ JX-CF1-28G40G-13J

Dimension	LxWxH: 41.75mm x 8mm x 17mm
Port connectors	SMA-Female
Finish	Silver
Notes	Material shall be RoHS 6/6

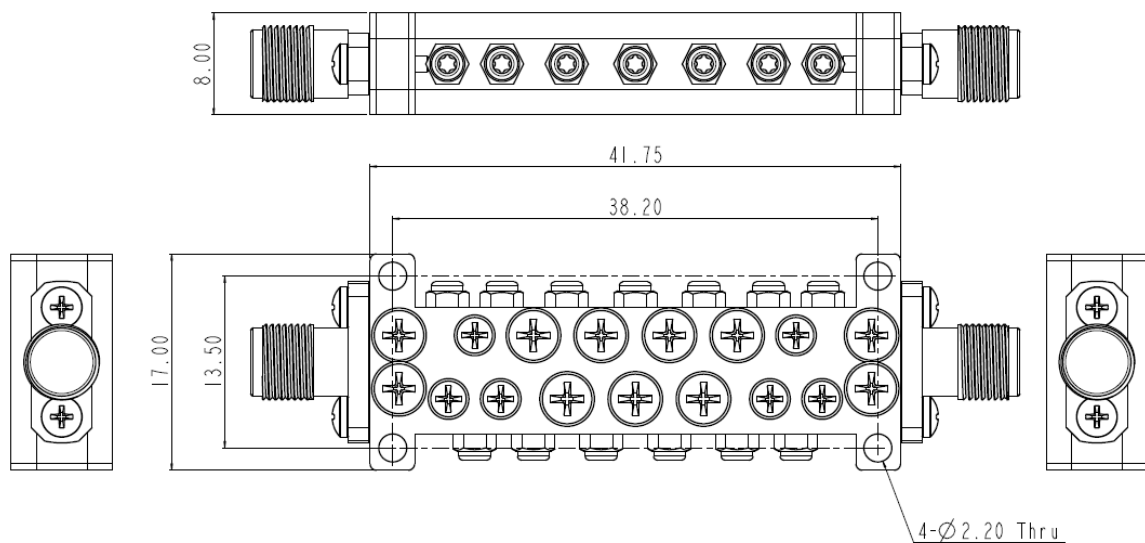


Figure 1 JX-CF1-28G40G-13J front panel layout

2. Electrical analysis

2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-28G40G-13J

Item	Frequency Band	28.0-40.0GHz
1	Center Frequency	34.0GHz
2	Bandwidth	12.0GHz
3	Return Loss	≥12dB
4	Insertion loss	≤3.2dB
5	Ripple In Bands	≤0.5dB
6	Rejection	≥55dB @ 0-20.0GHz ≥55dB @ 44.0-50.0GHz

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2.2 The simulation curve

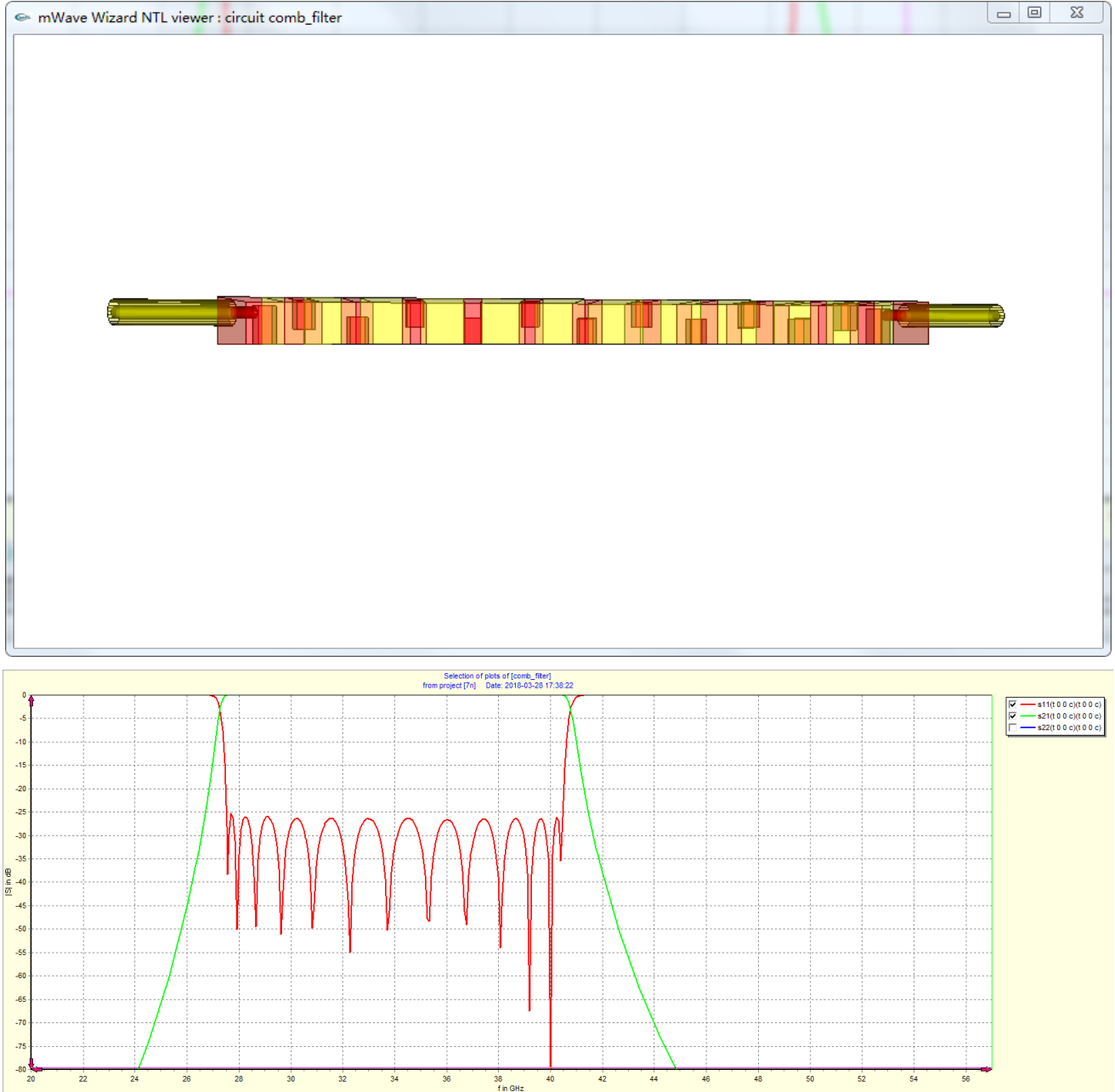


Figure 2 The simulation curve of the Filter

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