

Technical proposal for JX-CF1-35005000-11J Cavity Filter

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2018/03/24	Lee	Created	/
V1.1	2018/04/18	Lee	Update the dimension of filter	/

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Table of content

Technical proposal for JX-CF1-35005000-11J Cavity Filter	1
1. Mechanical layout.....	3
2. Electrical analysis.....	3
2.1 Electrical specifications	3
2.2 The simulation curve	4

Figures

Figure 1 JX-CF1-35005000-11J front panel layout	3
Figure 2 The simulation curve of the Filter	4

Tables

Table 1 Mechanical Specifications @ JX-CF1-35005000-11J	3
Table 2 Electrical specifications @ JX-CF1-35005000-11J	3

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1. Mechanical layout

Table 1 Mechanical Specifications @ JX-CF1-35005000-11J

Dimension	LxWxH: 105.35mm x 17mm x 25mm (Max 29mm)
Port connectors	SMA-Female
Finish	Silver
Notes	Material shall be RoHS 6/6

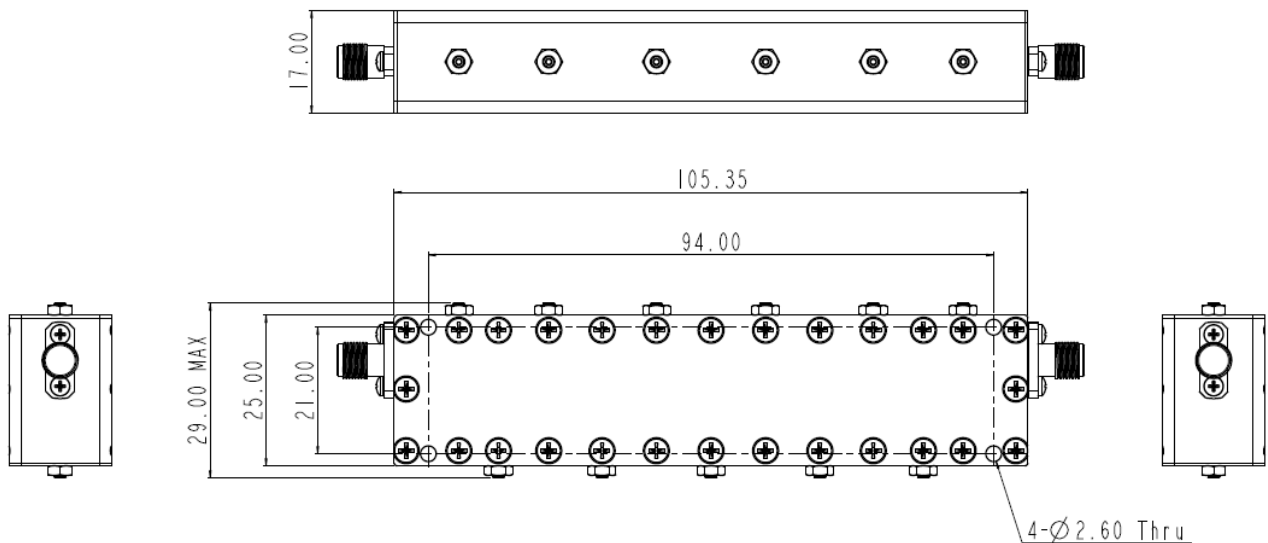


Figure 1 JX-CF1-35005000-11J front panel layout

2. Electrical analysis

2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-35005000-11J

Item	Frequency Band	3.5-5GHz
1	Center Frequency	4.25GHz
2	Bandwidth	1.5GHz
3	Return Loss	≥12dB
4	Insertion loss	≤3.0dB
5	Ripple In Bands	≤0.5dB
6	Rejection	≥55dB @ 0-2.5GHz ≥55dB @ 5.5-8GHz

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2.2 The simulation curve

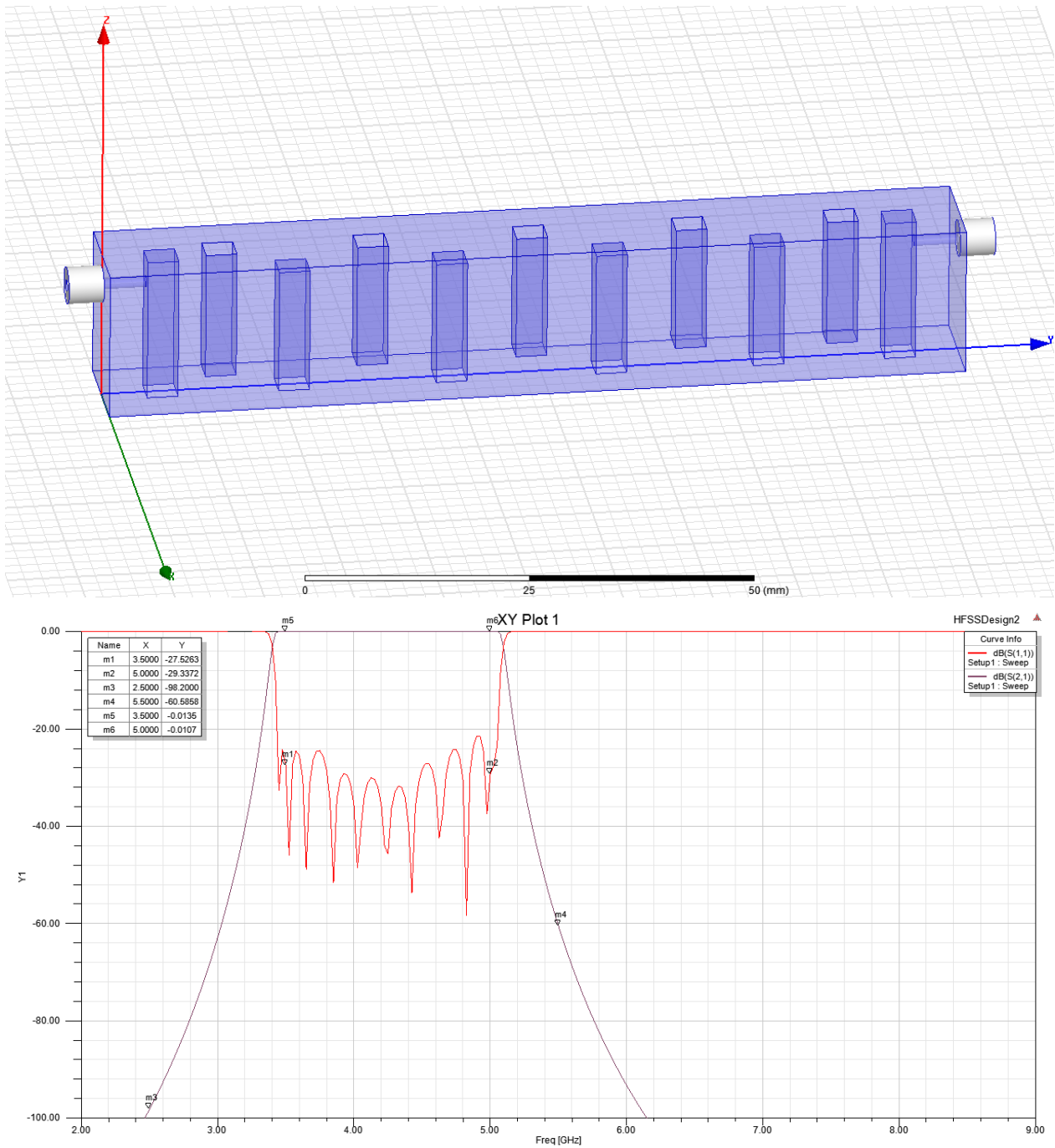


Figure 2 The simulation curve of the Filter

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