

Technical Proposal for JX-CF1-3400M3600M-45S Cavity Filter

- ◆ Low Insertion Loss
- ◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/11/01	Lin liqun	Created	/

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Table of content

Technical Proposal for JX-CF1-3400M3600M-45S Cavity Filter	1
1. Mechanical layout.....	3
2. Electrical analysis.....	4
2.1 Electrical specifications	4
2.2 The simulation curve	4

Figures

Figure 1 JX-CF1-3400M3600M-45S front panel layout.....	3
Figure 2 The simulation curve of the Filter	4

Tables

Table 1 Mechanical specifications @ JX-CF1-3400M3600M-45S	3
Table 2 Electrical specifications @ JX-CF1-3400M3600M-45S.....	4

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-CF1-3400M3600M-45S

Dimension	L x W x H: 80mm x 55mm x 26mm(32mmMax)
Port connectors	SMA-Female
Finish	Conductive oxidation
Notes	Material shall be RoHS 6/6

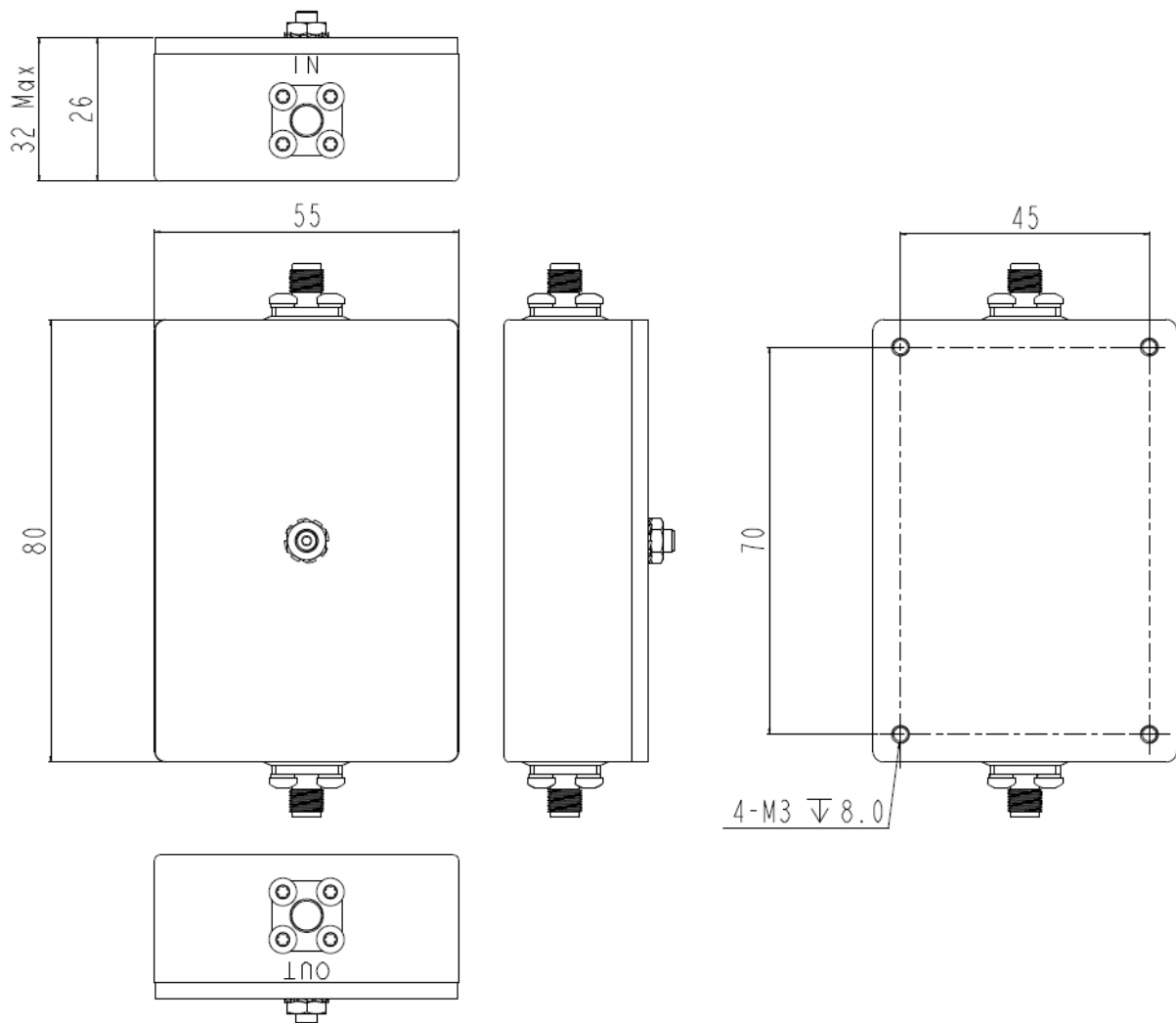


Figure 1 JX-CF1-3400M3600M-45S front panel layout

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2. Electrical analysis

2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-3400M3600M-45S

Item	Parameter	Specification
1	Frequency range	3400-3600MHz
2	Return loss	$\geq 15\text{dB}$
3	Insertion loss	$\leq 1.5\text{dB}$
4	Rejection	$\geq 45\text{dB}@3190\text{MHz}$
		$\geq 45\text{dB}@2700\text{MHz}$
5	Peak power	150W

2.2 The simulation curve

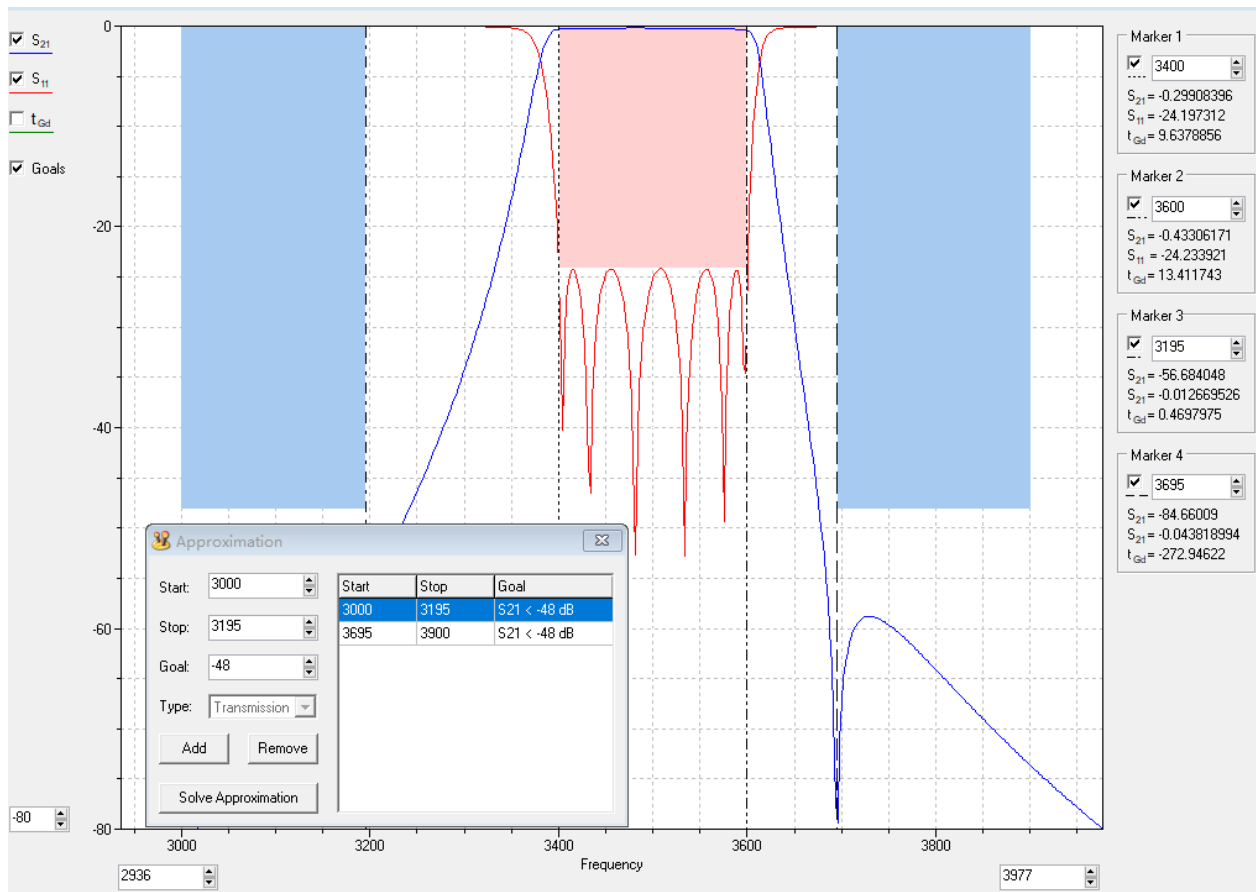


Figure 2 The simulation curve of the Filter

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