

Technical Proposal for JX-CF1-9.9G10.8G-S6 Cavity Filter

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2022/01/25	Lee	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-CF1-9.9G10.8G-S6

Dimension	L x W x H: 52.6mm x 12.7mm x 11.9mm
Port connectors	SMA-Female
Finish	Silver
Notes	Material shall be RoHS 6/6

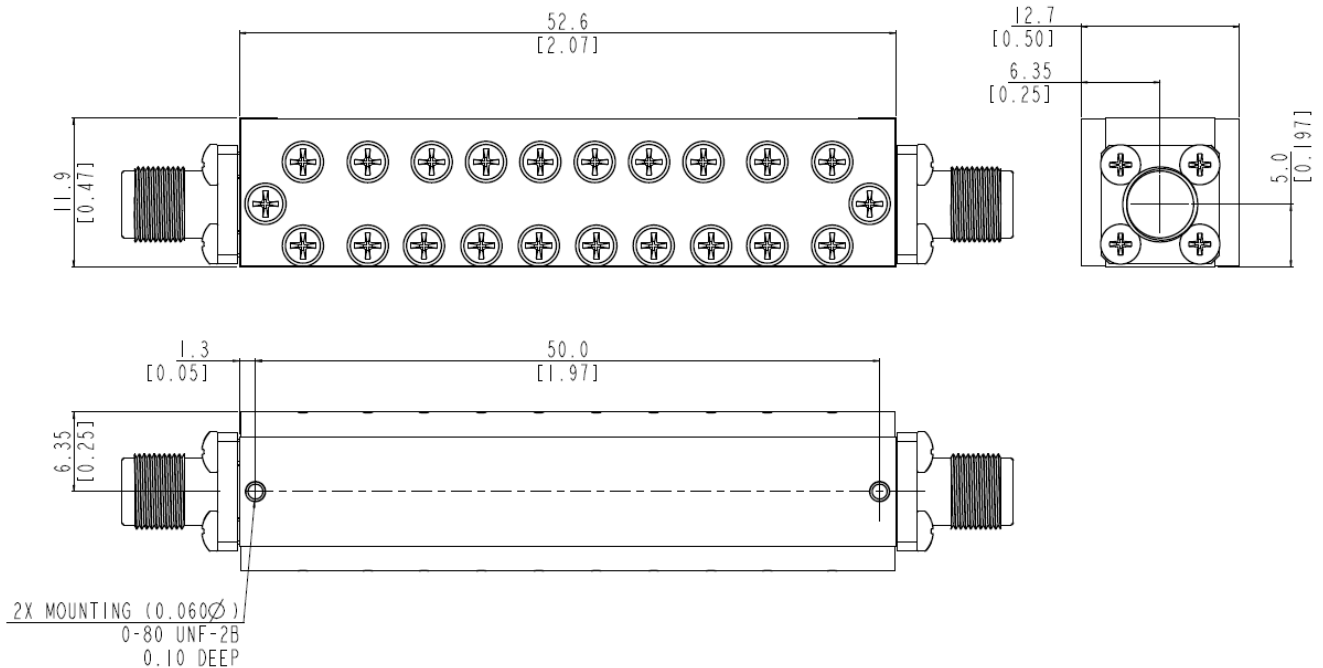


Figure 1 JX-CF1-9.9G10.8G-S6 front panel layout

2. Electrical analysis

2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-9.9G10.8G-S6

Item	Parameter	Specification
1	Frequency range	9.9-10.8GHz
2	VSWR	≤1.4:1
3	Insertion loss	≤1.0dB
4	Rejection	≥50dB @ 8.35GHz ≥50dB @ 12.35GHz
5	Operating temperature range	-20°C to +70°C

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6	Input power	2 Watts
7	Impedance	50Ω

2.2 The simulation curve

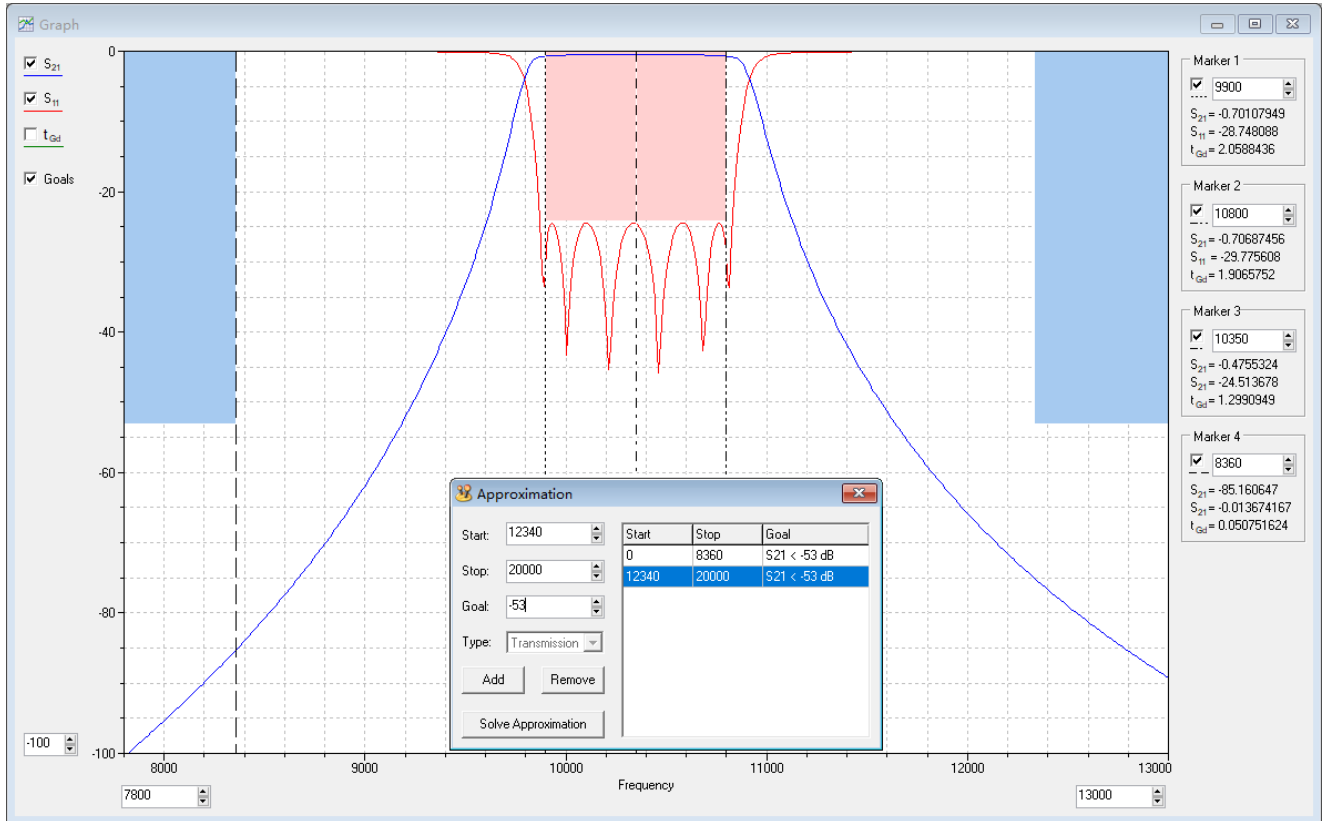


Figure 2 The simulation curve of the filter

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