

Technical Proposal for JX-LCF1-2.7G18G-45S LC Filter

- ◆ High Performance
- ◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/10/13	Wang	Created	/
V1.1	2020/11/25	Lee	Updated the hight: 15mm→10mm	JingXin request

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1. Mechanical specification

Table 1 Mechanical specifications @ JX-LCF1-2.7G18G-45S

Dimension	L x W x H: 55mm x 30mm x 10mm
Connectors	SMA-Female
Notes	Material shall be RoHS 6/6

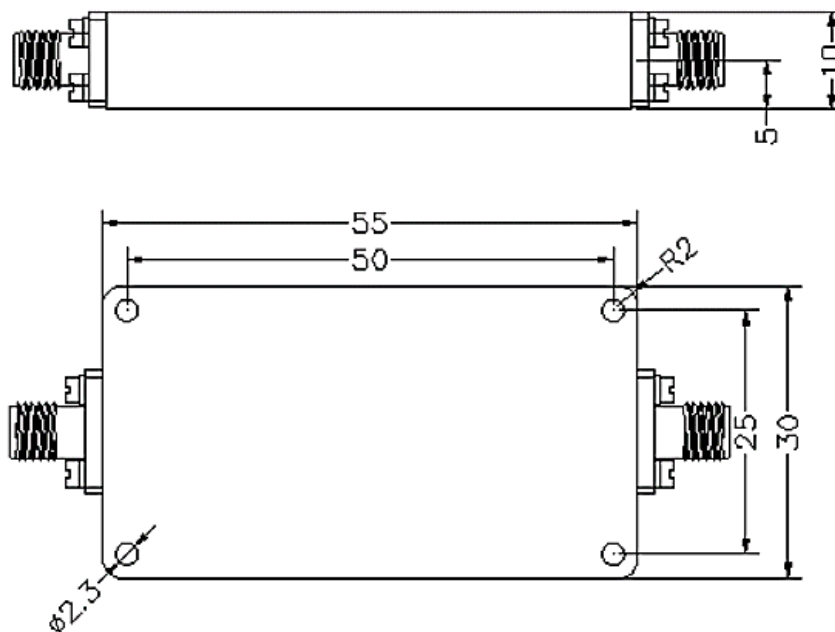


Figure 1 JX-LCF1-2.7G18G-45S front panel layout

2. Electrical analysis

2.1 Electrical specification

Table 2 Electrical specifications @ JX-LCF1-2.7G18G-45S

Item	Parameter	Specifications	
1	Frequency range	2.7-18GHz	
2	Insertion loss	≤2.0dB	
3	VSWR	≤2.0	
4	Rejection	≥40dB@DC-2.25GHz	≥45dB@19-25GHz
5	Power	15W	
6	Impedance	50Ω	
7	Operating temperature	-40°C to +80°C	

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2.2 The simulation curve

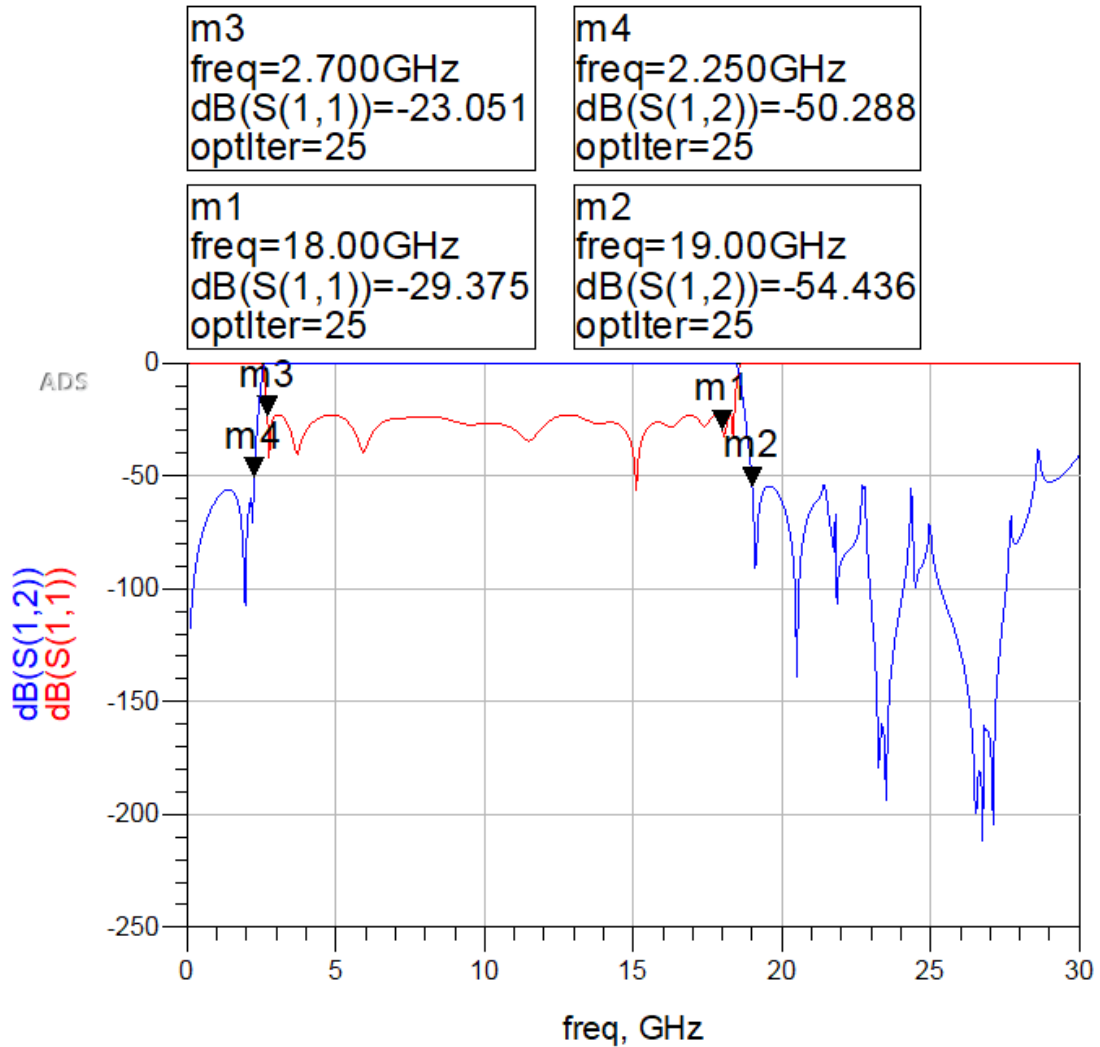


Figure 2 The simulation curve of the filter

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