

# Technical Proposal for JX-BPF1-2G18G-50S Bandpass Filter

- ◆ High Reliability
- ◆ High Performance

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/06/15	Lin liqun	Created	/

## Table of content

Technical Proposal for JX-BPF1-2G18G-50S Bandpass Filter .....	1
1. Mechanical layout.....	2
2. Electrical analysis.....	2
2.1 Electrical specifications .....	2
2.2 The test curve.....	3

## Figures

Figure 1 JX-BPF1-2G18G-50S front panel layout .....	2
Figure 2 The curve of the Filter.....	3

## Tables

Table 1 Mechanical specifications @ JX-BPF1-2G18G-50S .....	2
Table 2 Electrical specifications @ JX-BPF1-2G18G-50S .....	2

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## 1. Mechanical layout

Table 1 Mechanical specifications @ JX-BPF1-2G18G-50S

Dimension	LxWxH:63 mm x18 mm x 10mm
Port connectors	SMA-Female
Finish	Guide Oxygen or Black Paint
Weight	0.04kg
Notes	Material shall be RoHS 6/6

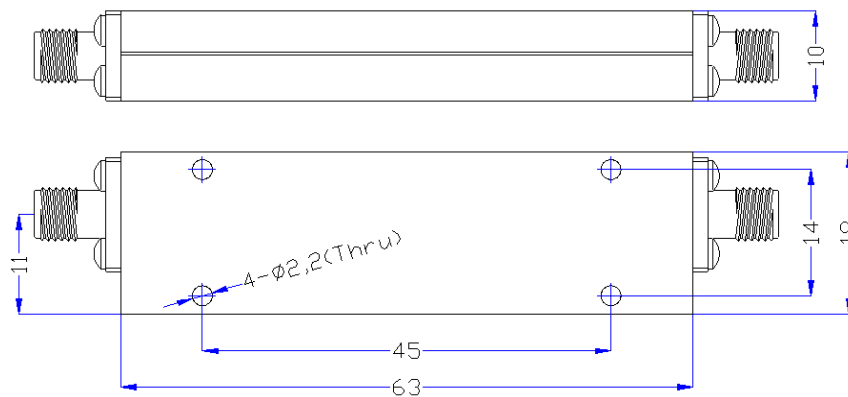


Figure 1 JX-BPF1-2G18G-50S front panel layout

## 2. Electrical analysis

### 2.1 Electrical specifications

Table 2 Electrical specifications @ JX-BPF1-2G18G-50S

Item	Parameter	Specification
1	Frequency range	2-18GHz
2	VSWR	≤1.6
3	Insertion loss	≤1.5dB@2.0-2.2GHz
		≤1.0dB@2.2-16GHz
		≤2.5dB@16-18GHz
4	Rejection	≥50dB @ DC-1.55GHz
		≥50dB @ 19-25GHz
5	Power	15W
6	Impedance	50Ω
7	Temperature range	-40°C to +80°C

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2.2 The test curve

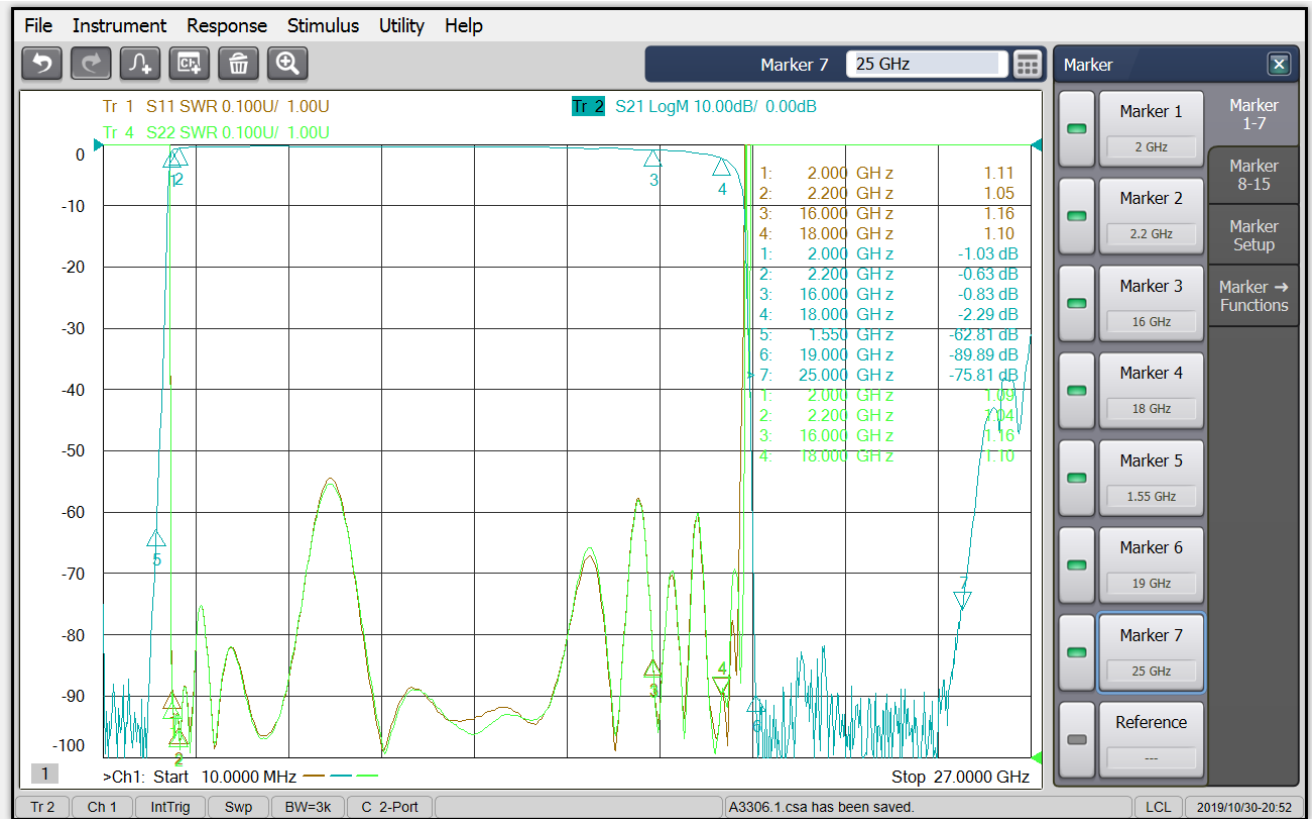


Figure 2 The curve of the Filter

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