

# Technical Proposal for JX-HPF1-3G18G-60S Bandpass Filter

◆ High Reliability

◆ High Performance

## Revision History

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

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## 1. Mechanical layout

Table 1 Mechanical specifications @ JX-HPF1-3G18G-60S

Dimension	LxWxH:44 mm x29 mm x 10mm
Port connectors	SMA-Female
Finish	Black Paint
Weight	0.04kg
Notes	Material shall be RoHS 6/6

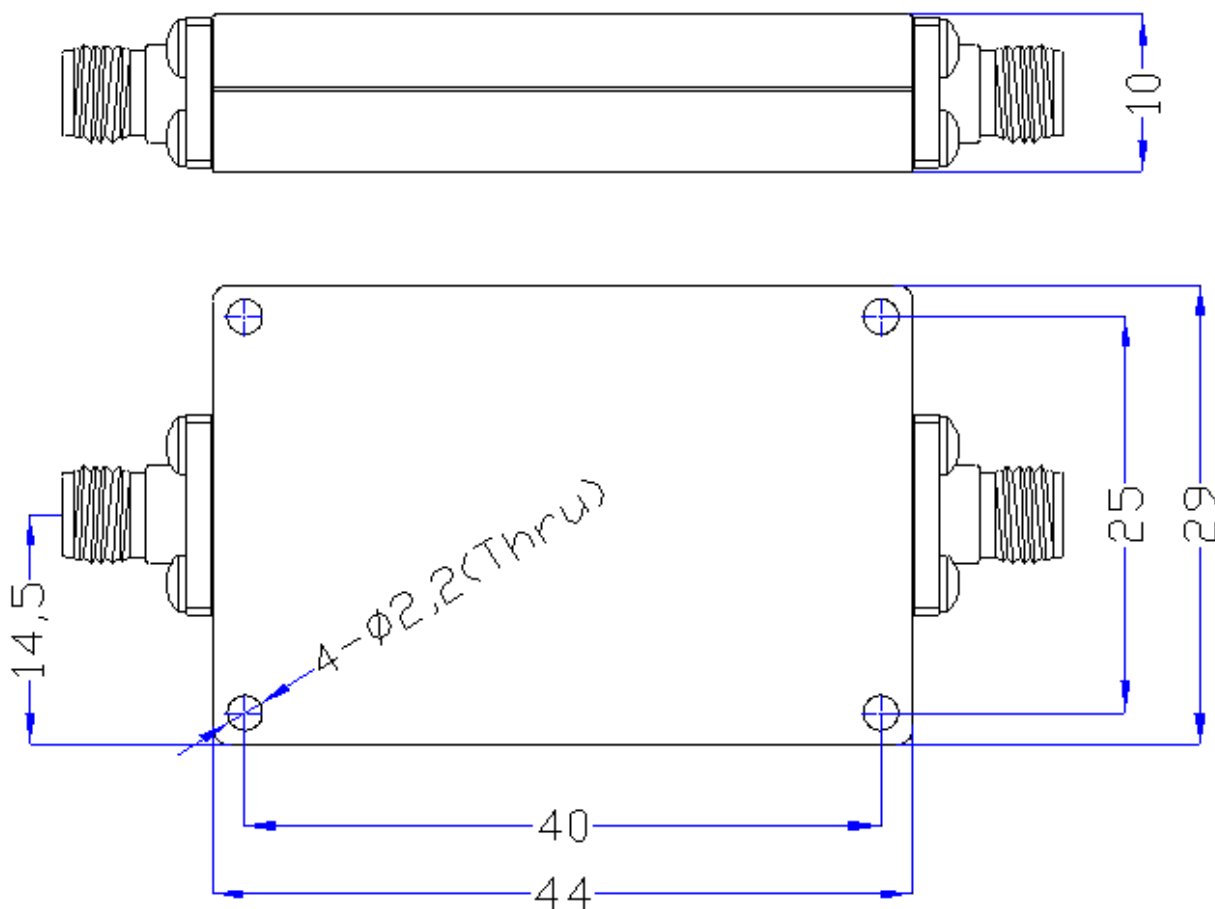


Figure 1 JX-BPF1-3G18G-60S front panel layout

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## 2. Electrical analysis

### 2.1 Electrical specifications

Table 2 Electrical specifications @ JX-BPF1-3G18G-60S

Item	Parameter	Specification
1	Pass Band frequency	3-18GHz
2	VSWR	≤1.5
3	Pass Band Insertion loss	≤2.0dB@3-3.2GHz
		≤1.0dB@3.2-18GHz
4	Rejection	≥60dB @ DC-2.6GHz
		≥40dB @ 2.6-2.7GHz
5	Power	15W
6	Impedance	50Ω
7	Temperature range	-40°C to +80°C

### 2.2 The test curve

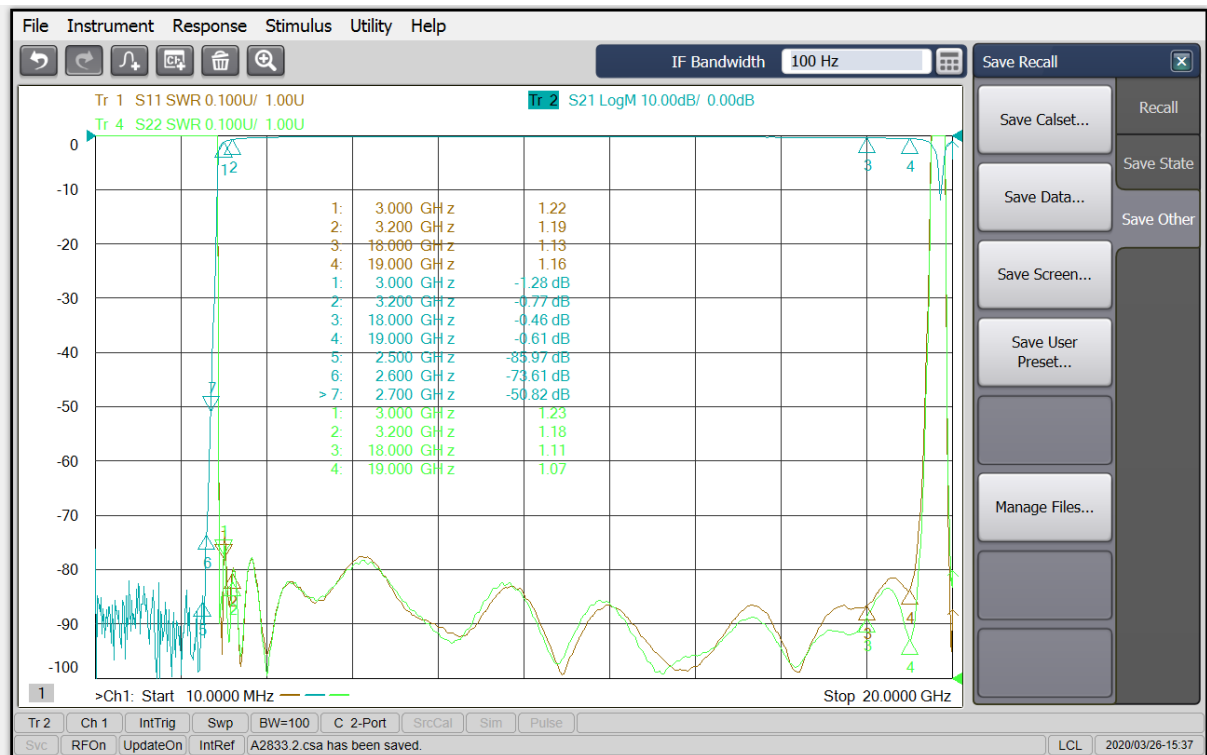


Figure 2 The curve of the Filter

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