

Technical proposal for JX-HF1-2G18G-80S High-Pass Filter

◆ Low Insertion Loss
◆ Small Volume

◆ High Rejection
◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/09/10	Sam Chen	Created	/
V1.1	2019/09/12	Lee	Updated the specifications	Customer request
V1.2	2019/09/18	Lee	Changed two words descriptions	Customer request

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-HF1-2G18G-80S

Dimension	LxWxH: 45mm x 22mm x 10mm
Connectors	SMA-Female
Finish	Black paint
Vibration	6Grms/axis, 10min/axis, A total of 3axis
Shock	20G, 11ms sawtooth wave at trailing edge, 3axis6way, 3times/way
Notes	Material shall be RoHS 6/6

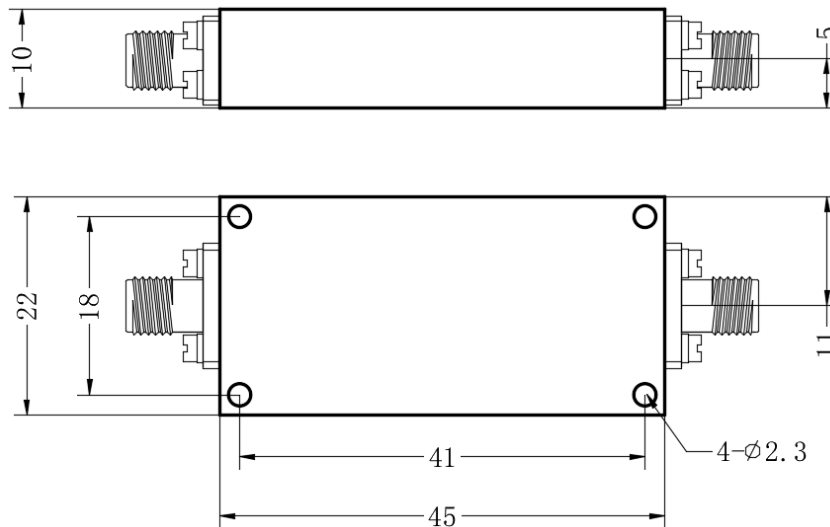


Figure 1 JX-HF1-2G18G-80S front panel layout

2. Electrical analysis

Table 2 Electrical specifications @ JX-HF1-2G18G-80S

Item	Parameter	specifications
1	Frequency Range	2-18GHz
2	-3dB Bandwidth	1780MHz±1%
3	Insertion loss	≤ 0.7dB@2-18GHz
4	VSWR	≤1.5:1
5	Attenuation	≥ 80dBc@DC-870MHz
6	Operating Temperature	-40°C to +70°C
7	Average Power Handling	10W CW
8	Impedance	50ohm

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