

# Technical proposal for JX-HPF1-18G40G-292 High-Pass Filter

◆ Low Insertion Loss

◆ High Rejection

◆ Small Volume

◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/09/05	Lee	Created	/
V1.1	2019/09/12	Lee	Updated the specifications	Customer request
V1.2	2019/09/18	Lee	Changed two words descriptions	Customer request
V1.3	2019/10/28	Lee	Detachable connector	Customer request
V1.4	2020/07/02	Lee	Updated the mechanical layout	JingXin request
V1.5	2020/08/07	Lee	Updated the electrical specifications	JingXin request

## Table of content

Technical proposal for JX-HPF1-18G40G-292 High-Pass Filter .....	1
1. Mechanical layout.....	2
2. Electrical specifications .....	3

## Figures

Figure 1 JX-HPF1-18G40G-292 front panel layout .....	2
--	---

## Tables

Table 1 Mechanical specifications @ JX-HPF1-18G40G-292 .....	2
Table 2 Electrical specifications @ JX-HPF1-18G40G-292 .....	3

**JING XIN MICROWAVE TECHNOLOGY CO.,LTD**

E-mail: [sales@cdjx-mw.com](mailto:sales@cdjx-mw.com) Web: <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65026087 ext.8033 Zip Code:610045

Add: No.65,West 1st Wu Ke Road, Wu Hou District, Cheng Du City, Si Chuan Province, China.

1. Mechanical layout

Table 1 Mechanical specifications @ JX-HPF1-18G40G-292

Dimension	LxWxH: 42mm x 12.7mm x 10mm	
Connectors	2.92-Female	PIN: $\phi 0.3\text{mm} \times 1.5\text{mm}$
Finish	Silver	
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	

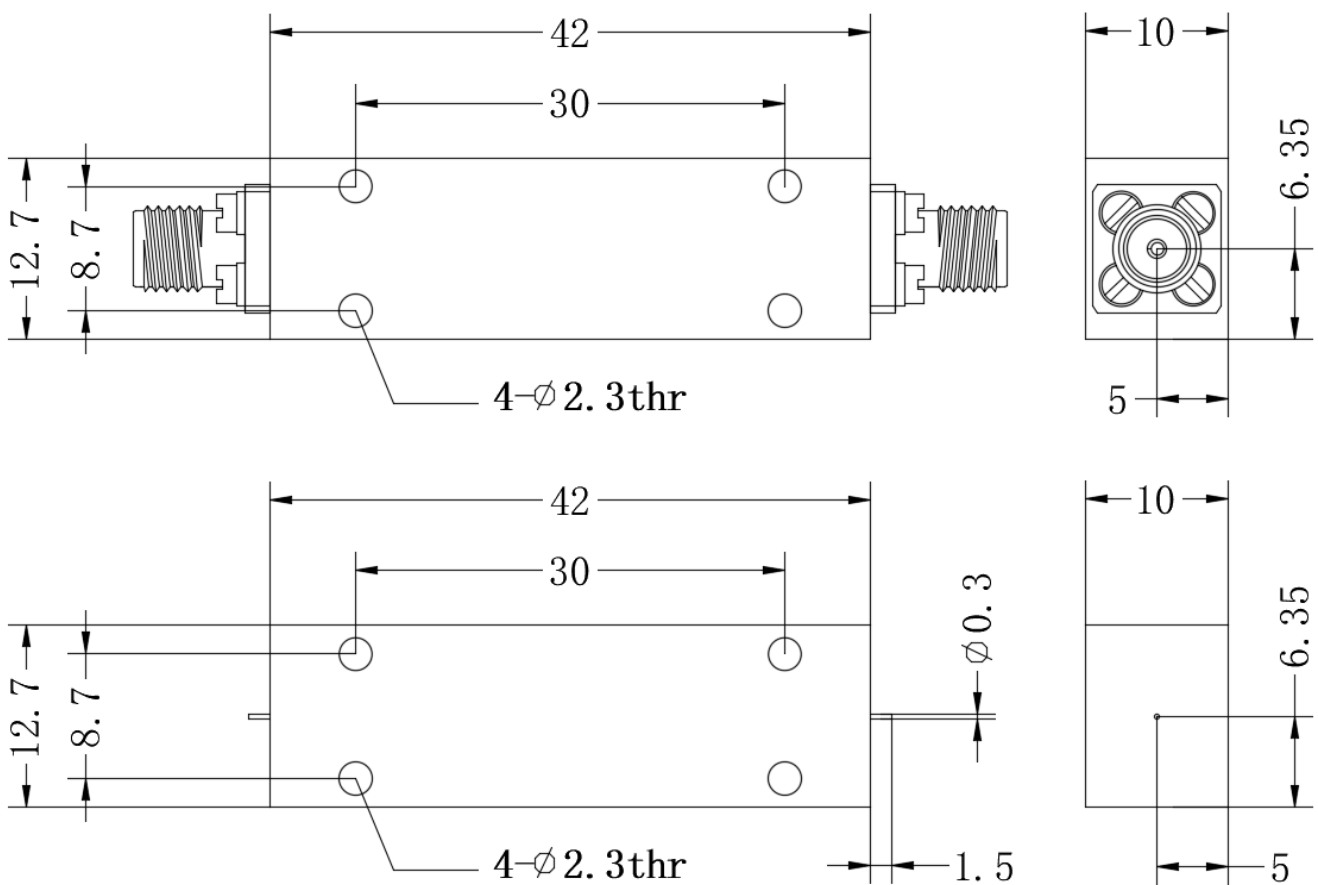


Figure 1 JX-HPF1-18G40G-292 front panel layout

**JING XIN MICROWAVE TECHNOLOGY CO.,LTD**

E-mail: [sales@cdjx-mw.com](mailto:sales@cdjx-mw.com) Web: <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65026087 ext.8033 Zip Code:610045

Add: No.65,West 1st Wu Ke Road, Wu Hou District, Cheng Du City, Si Chuan Province, China.

## 2. Electrical specifications

Table 2 Electrical specifications @ JX-HPF1-18G40G-292

Item	Parameter	Spec
1	Frequency range	18-40GHz
2	Insertion loss	≤1.3dB
3	VSWR	≤2.0
4	Rejection	≥45dB@DC-15GHz
5	Impedance all ports	50ohm
6	Temperature range	-40°C to +70°C

**JING XIN MICROWAVE TECHNOLOGY CO.,LTD**

E-mail: [sales@cdjx-mw.com](mailto:sales@cdjx-mw.com) Web: <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65026087 ext.8033 Zip Code:610045

Add: No.65,West 1st Wu Ke Road, Wu Hou District, Cheng Du City, Si Chuan Province, China.