

Technical proposal for JX-TI-162-12S Isolator

- ◆ Low Insertion Loss
- ◆ High Rejection
- ◆ Small Volume
- ◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/09/26	Sam Chen	Created	/

JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: 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.

Table of content

Technical proposal for JX-TI-162-12S Isolator.....	1
1. Mechanical layout.....	3
2. Electrical analysis.....	4
2.1 Electrical specifications	4

Figures

Figure 1 JX-TI-162-12S front panel layout	3
Figure 2 Each Isolator is equipped with a mounting plate	4

Tables

Table 1 Electrical specifications @ JX-TI-162-12S	4
---	---

JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: 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-TI-162-12S

Dimension	LxWxH: 60mm x 60mm x 25.5mm
Port connectors	SMA-Female
Notes	Material shall be RoHS 6/6

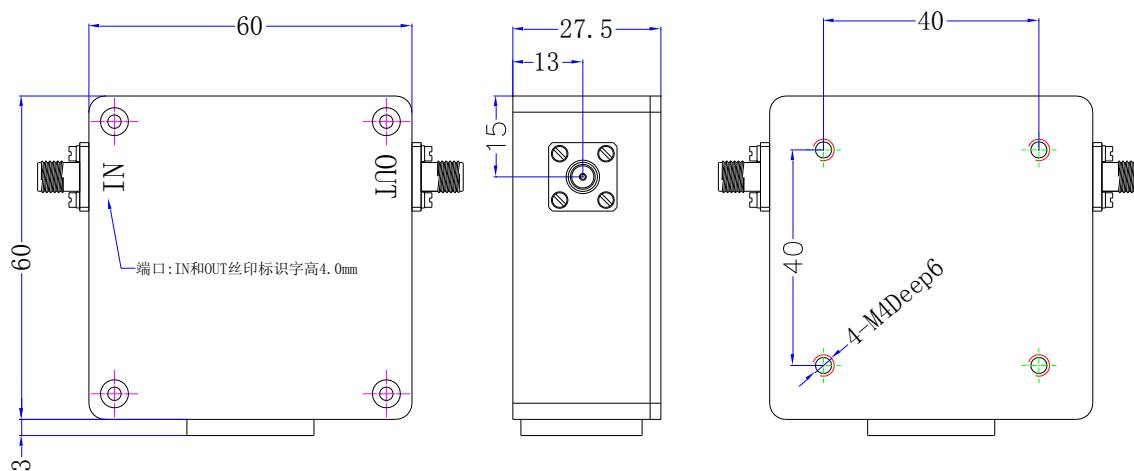


Figure 1 JX-TI-162-12S front panel layout

JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: 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.

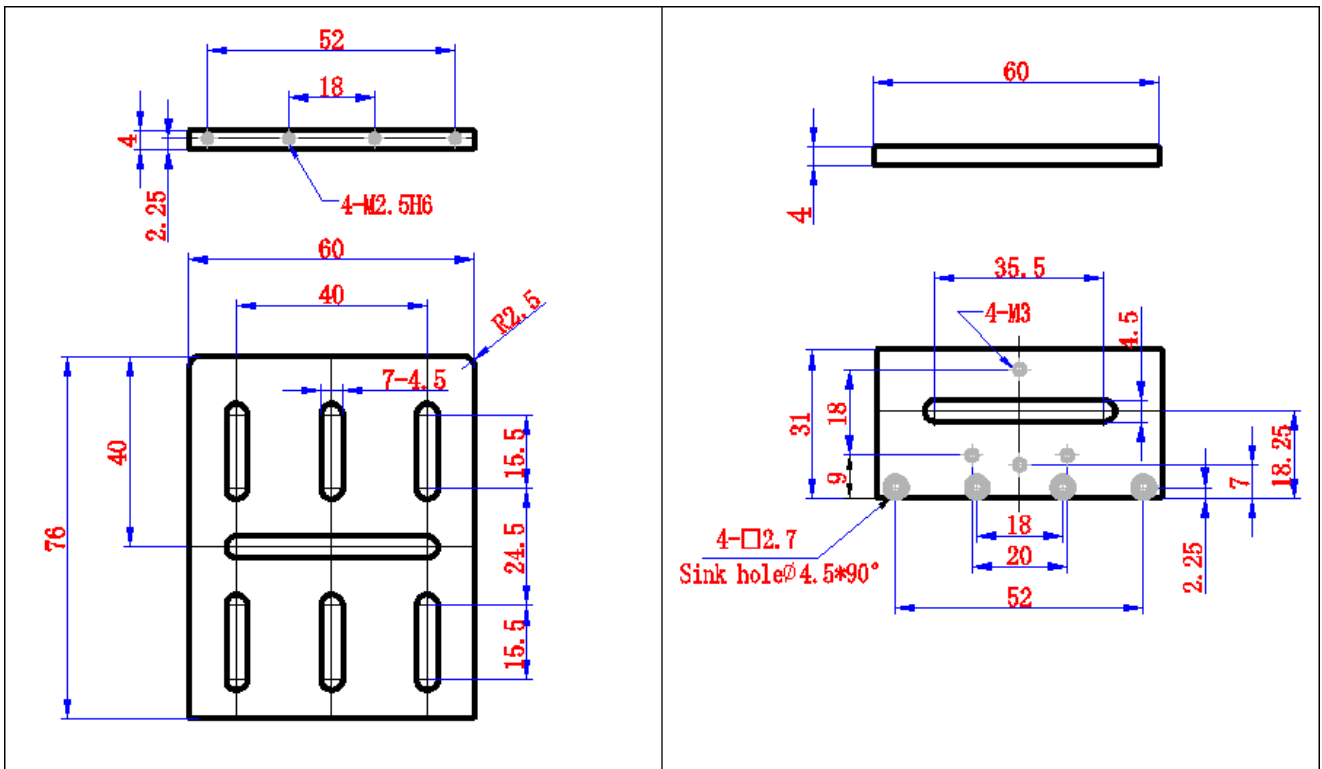


Figure 2 Each circulator is equipped with a mounting plate

2. Electrical analysis

2.1 Electrical specifications

Table 1 Electrical specifications @ JX-TI-162-12S

Item	Parameter	Spec
1	Frequency Range	150 -174MHz
2	Max insertion loss	≤0.6 dB
3	Isolation	≥20 dB
4	VSWR	1.2
5	Direction	Clockwise
6	Forward Power	50W (CW)
7	Reverse Power	20W (CW)
8	Operation Temperature	-10°C ~ +60°C
9	ROHS Compliant	Yes

JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: 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.

**Professional manufacturer of
passive microwave components**

JX-TI-162-12S_26/09/2019_Rev:V1.0



JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: 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.