

Technical proposal for JX-PDx-2000M8000M-18S Power Divider

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/06/18	Lin liqun	Created	/

Table of content

Technical proposal for JX-PDx-2000M8000M-18S Power Divider	1
1. Mechanical layout.....	2
2. Electrical analysis.....	3

Figures

Figure 1 JX-PD2-2000M8000M-18S front panel layout	2
Figure 2 JX-PD4-2000M8000M-18S front panel layout	2

Tables

Table 1 Mechanical specifications	2
Table 2 Electrical specifications.....	3

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

Dimension	JX-PD2-2000M8000M-18S : 30mm x 30mm x 10mm
	JX-PD4-2000M8000M-18S : 56mm x 50mm x 10mm
Connectors	SMA-Female
Finish	Conductive oxide
Notes	Material shall be RoHS 6/6

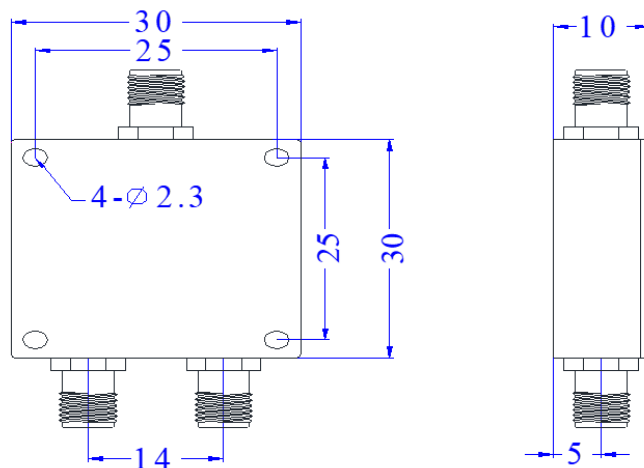


Figure 1 JX-PD2-2000M8000M-18S front panel layout

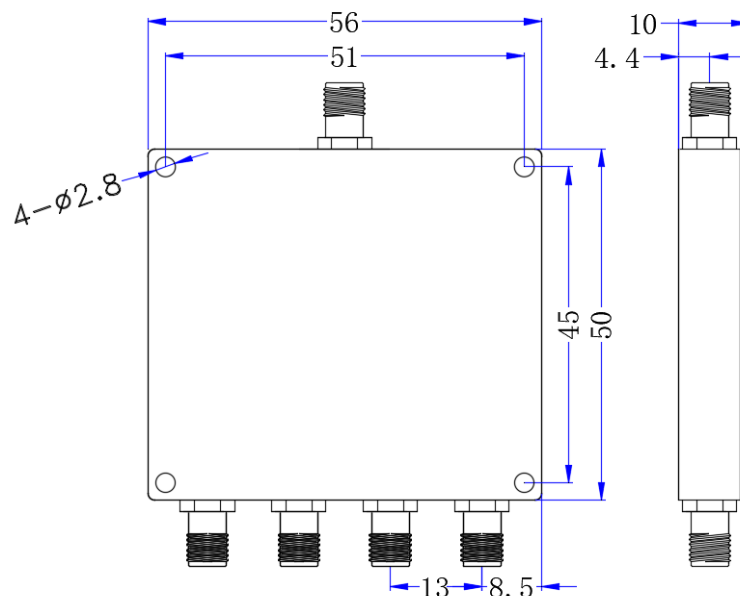


Figure 2 JX-PD4-2000M8000M-18S front panel layout

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.

2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specification	
1	Frequency range	2000-8000MHz	
2	Model number	JX-PD2-2000M8000M-18S	JX-PD4-2000M8000M-18S
3	Insertion loss	≤ 0.6dB(Exclusive the 3dB Split Loss)	≤ 1.4dB(Exclusive the 6dB Split Loss)
4	Input port VSWR	≤1.3	≤1.4
	Output port VSWR	≤1.2	≤1.3
5	Isolation	≥18dB	≥18dB
6	Amplitude balance	≤±0.5dB	≤±0.4dB
7	Phase balance	≤±3°	≤±4°
8	Power	Forward 30W	Forward 30W
		Reverse 2W	Reverse 2W
9	Impedance	50Ω	
10	Operational temperature	-40°C to +80°C	
12	Storage temperature	-45°C to +85°C	

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.