

Technical proposal for JX-PD2-18G40-292F Power Divider

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/09/28	Lin liqun	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	LxWxH:26mm x 25mm x 10mm
Connectors	2.92-Female
Finish	Grey Paint or Customized

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Notes	Material shall be RoHS 6/6
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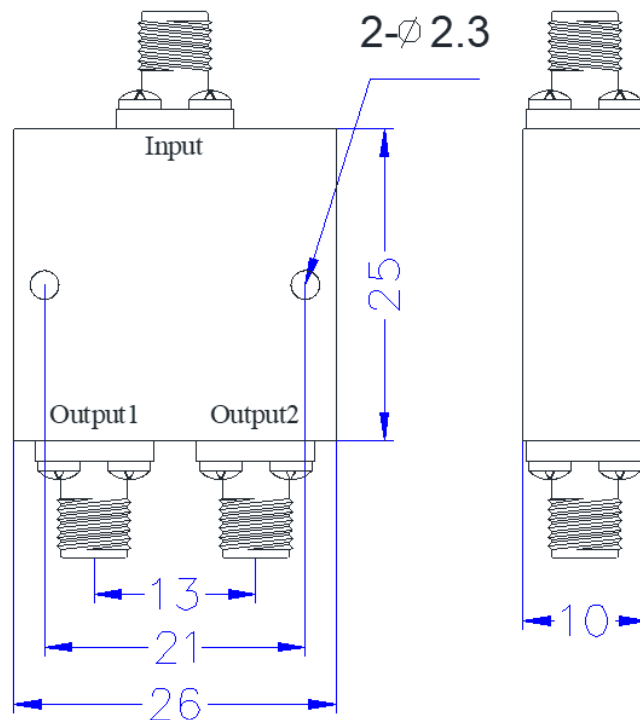


Figure 1 JX-PD2-18G40G-292F front panel layout

2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specification
1	Frequency range	18000-40000MHz
2	Insertion loss	$\leq 1.4\text{dB}$ (Exclusive the 3dB Split Loss)
3	VSWR (Input)	≤ 1.60
	VSWR (Output)	≤ 1.50
4	Amplitude balance	$\leq \pm 0.40\text{dB}$
5	Phase balance	$\leq \pm 4^\circ$
6	Isolation	$\geq 16\text{dB}$
7	Average power	5W (Forward)
8	Impedance	50Ω
9	Operational temperature	-40°C to +80°C
10	Storage temperature	-45°C to +85°C

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**Professional manufacturer of
passive microwave components**

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