

Technical Proposal for JX-PD2-1G18G-18S Power Divider

- ◆ High Performance
- ◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/04/09	Lin liqun	Created	/

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1. Mechanical layout

Table 1 Mechanical Specifications

Dimension	L x W x H: 99mm x 24mm x 10mm
Port connectors	SMA- Female
Finish	Gray paint
Notes	Material shall be RoHS 6/6

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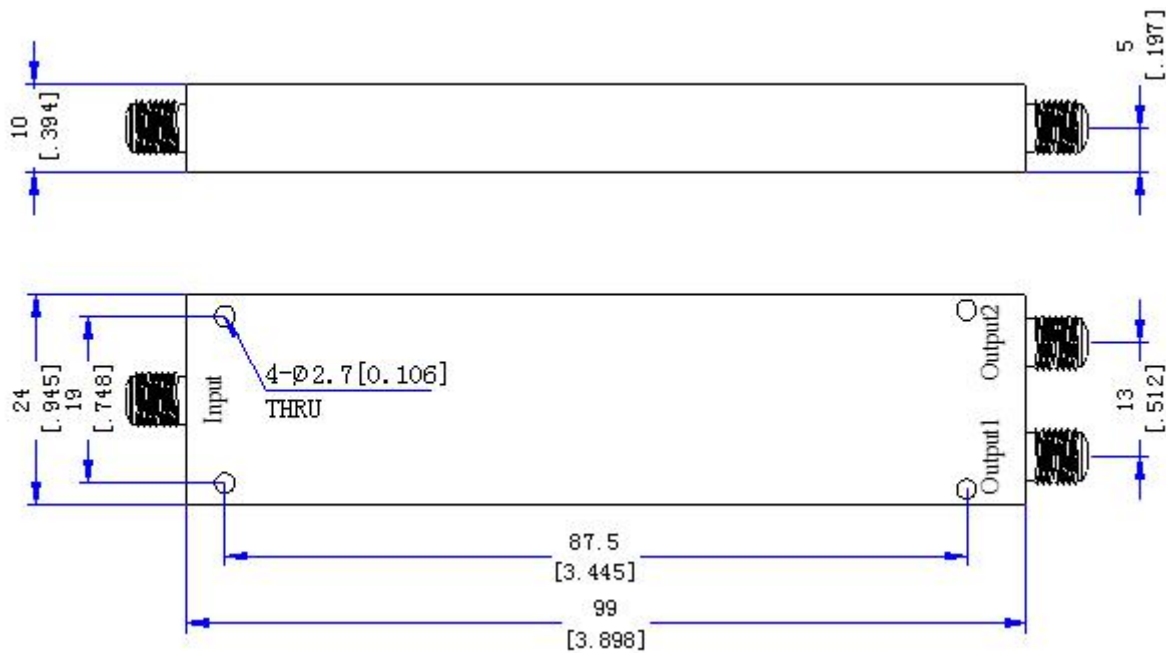


Figure 1 JX-PD2-1G18G-18S front panel layout

2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specification
1	Frequency range	1000-18000MHz
2	Insertion loss	≤1.2dB (Excluding theoretical loss 3.0 dB)
3	Input port VSWR	Typ.1.4 / Max.1.5
4	Output port VSWR	Typ.1.3 / Max.1.4
5	Isolation	Typ.20dB / Min.18dB
6	Amplitude balance	≤ 0.3dB
7	Phase balance	±5°
8	Forward power	20W
9	Reverse power	1W
10	Impedance	50Ω
11	Temperature range	-45°C to+85°C

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