

Technical proposal for JX-PD2-3.4G4.2G-20S Power Divider

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/07/24	Lin liqun	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	L x W x H: 28mm x 28mm x 10mm
Connectors	SMA-Female
Finish	Black Paint spraying
Notes	Material shall be RoHS 6/6

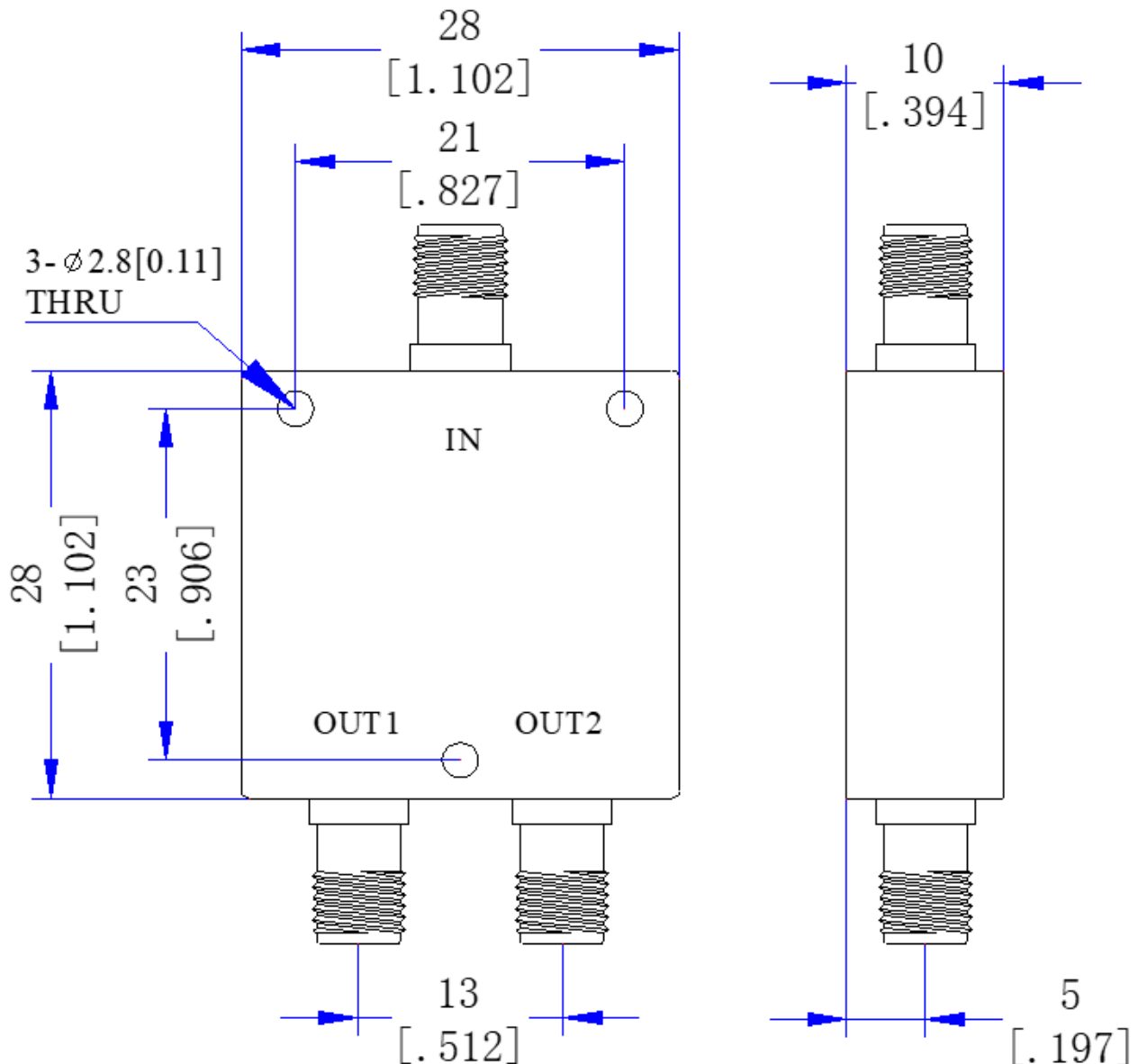


Figure 1 JX-PD2-3.4G4.2G-20S front panel layout

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2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specification
1	Frequency range	3400-4200MHz
2	Insertion loss	$\leq 0.4\text{dB}$ (Excluding theoretical loss 3.0 dB)
3	Input VSWR	≤ 1.2
4	Output VSWR	≤ 1.2
5	Isolation	$\geq 20\text{dB}$
6	Amplitude balance	$\leq 0.2\text{dB}$
7	Phase balance	$\pm 2^\circ$
8	Forward power	20W
9	Reverse power	2W
10	Impedance	50 Ω
11	Operational temperature	-40°C to +80°C
12	Storage temperature	-45°C to +85°C

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