

Technical proposal for JX-PD3-10M500M-18S Power Divider

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2021/10/21	Lin liqun	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	L x W x H: 42mm x 30mm x 13mm
Connectors	SMA-Female
Finish	Conductive oxidation
Notes	Material shall be RoHS 6/6

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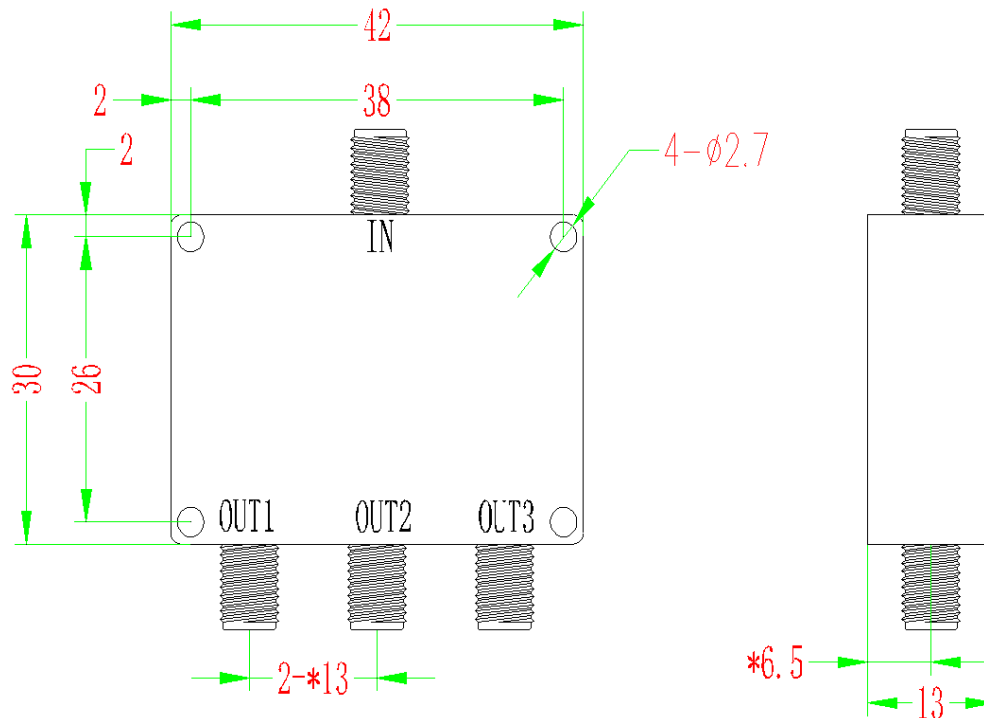


Figure 1 JX-PD3-10M500M-18S front panel layout

2. Electrical specification

Table 2 Electrical specifications

Item	Parameter	Specification
1	Frequency range	10-500MHz
2	Insertion loss	$\leq 1.4\text{dB}$
3	Input VSWR	≤ 1.5
	Output VSWR	≤ 1.4
4	Reverse isolation	$\geq 18\text{dB}$
5	Amplitude balance	$\leq 0.5\text{dB}$
6	Phase balance	$\leq 5^\circ$
7	Power	$\leq 1\text{W CW(IN)}$
8	Impedance	50Ω
9	Operating temperature	$-40^\circ\text{C to }+70^\circ\text{C}$
10	Storage temperature	$-55^\circ\text{C to }+85^\circ\text{C}$

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