

Technical proposal for JX-PD32-30M500M-18SF Power Divider

- ◆ High Performance
- ◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2022/08/31	Vivian	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	L x W x H: 160mm x 160mm x 15mm
Surface	White
Input/Output Connectors	SMA-Female
Connector Material	Stainless Steel
Finish	Aluminum 6061
Notes	Material shall be RoHS 6/6

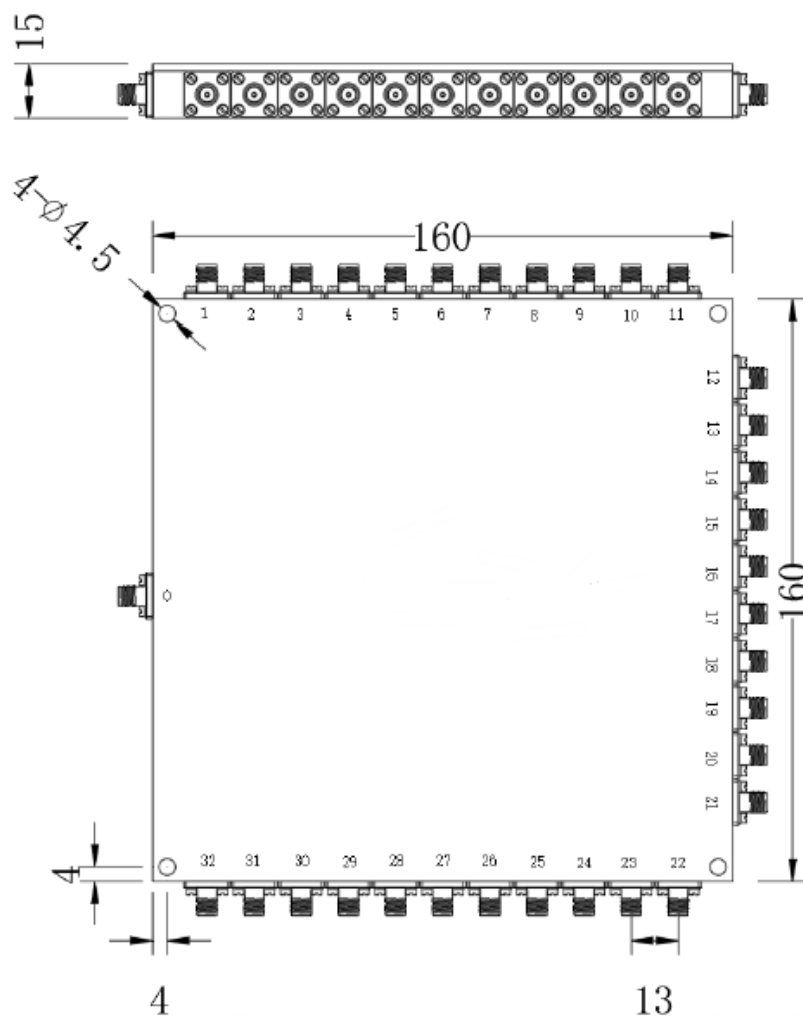


Figure 1 JX-PD32-30M500M-18SF front panel layout

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2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specifications
1	Frequency Range	30~500MHz
2	Insertion Loss	$\leq 3.5\text{dB}$
3	Input VSWR	≤ 1.5
4	Output VSWR	≤ 1.25
5	Isolation	$\geq 18\text{dB}$
6	Amplitude Balance	$\leq 1.5\text{dB}$
7	Phase Balance	8°
8	Impedance	50Ω
9	Power Capability	1W
10	Way	32way
11	Operation Temperature	-40°C to $+80^\circ\text{C}$ (Design Assurance)

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