

Technical proposal for JX-PD2-DC500M-1WN Resistive Power Divider

- ◆ High Performance
- ◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/07/15	Lin liqun	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	LxWxH:50mm x 38mm x 20mm
Connectors	N-Female
Finish	Sand blasting conductive oxidation
Notes	Material shall be RoHS 6/6

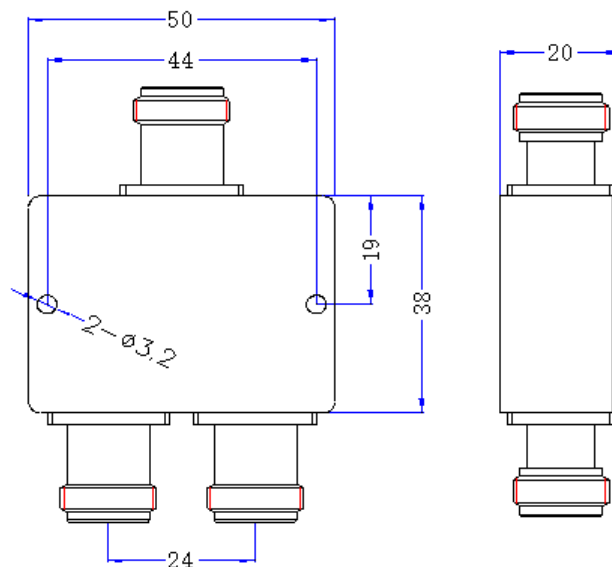


Figure 1 JX-PD2-DC500M-1WN front panel layout

2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specification
1	Frequency range	DC-500MHz
2	Insertion loss	$\leq 6\text{dB} \pm 0.5\text{dB}$
3	VSWR	≤ 1.3
4	Amplitude balance	$\leq \pm 0.5\text{dB}$
5	Phase balance	$\leq \pm 8^\circ$
6	Average power	1W
7	Impedance	50Ω
8	Operational Temperature	-40°C to +80°C
9	Storage Temperature	-45°C to +85°C

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