

Technical proposal for JX-DC-6G12.4G-15SF Directional Coupler

- ◆ High Performance
- ◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2022/03/25	Vivian	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications

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Dimension	28.0x25.0x11.0mm
Connector	SMA- Female
Surface Finish	Grey Painting
Notes	Material shall be RoHS 6/6

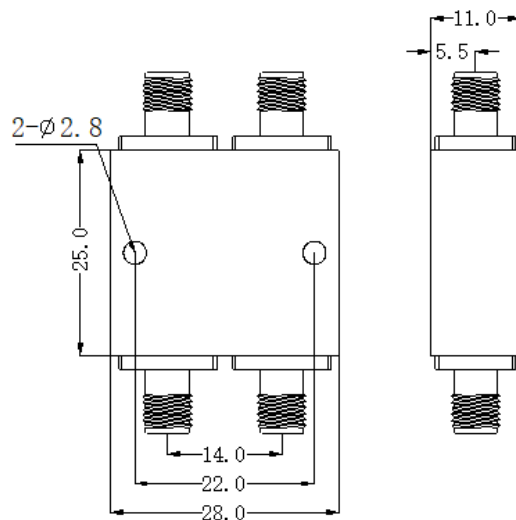


Figure 1 JX-DC-6G12.4G-15SF front panel layout

2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specifications
1	Frequency range	6000-12400MHz
2	Insertion loss	≤1.2dB (Exclusive the 3.0dB Coupled Loss)
3	VSWR	≤1.40
4	Isolation	≥15dB
5	Amplitude Balance	≤±1.0dB
6	Phase Balance	≤±5degree
7	Average Power	50W
8	Impedance	50Ω
9	Operational Temperature	-40°C to +80°C
10	Storage Temperature	-45°C to +85°C

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