

Technical proposal for JX-DC-4.8G9.6G-20SF 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	33.0x15.0x11.0mm
Connector	SMA- Female
Surface Finish	Grey Painting
Notes	Material shall be RoHS 6/6

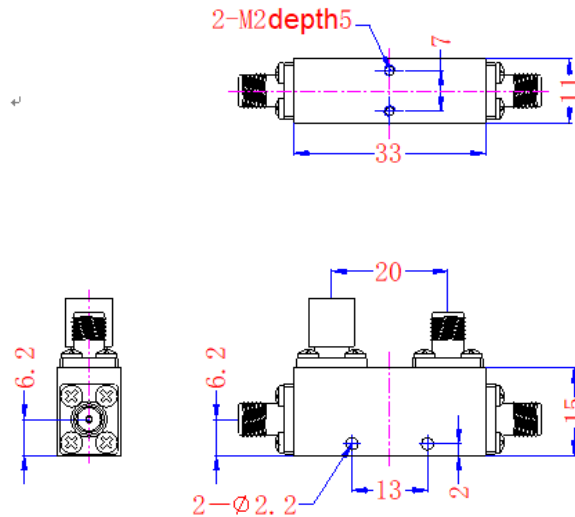


Figure 1 JX-DC-4.8G9.6G-20SF front panel layout

2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specifications
1	Frequency range	4800-9600MHz
2	Nominal Coupling	20±1dB
3	Coupling Sensitivity	≤±0.5dB
4	Insertion Loss	≤0.35dB
5	VSWR	≤1.27
6	Directivity	≥18dB
7	Forward Power	50W
8	Impedance	50Ω
9	Operational Temperature	-40°C to +80°C
10	Storage Temperature	-55°C to +85°C

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