

# Technical Proposal for JX-DC-7.5G16G-S20 Directional Coupler

- ◆ High Performance
- ◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2021/02/22	Wang	Created	/

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## 1. Mechanical specification

Table 1 Mechanical specifications @ JX-DC-7.5G16G-S20

Dimension	L x W x H: 33mm x 15mm x 11mm
Connectors	SMA-Female
Finish	Grey painting
Notes	Material shall be RoHS 6/6

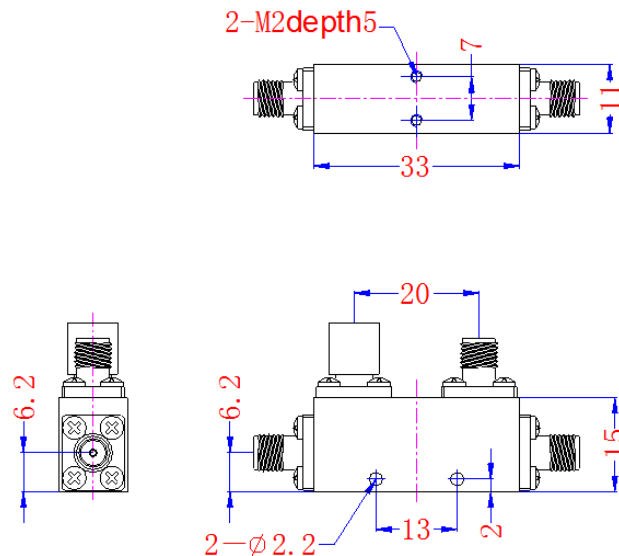


Figure 1 JX-DC-7.5G16G-S20 front panel layout

## 2. Electrical specification

Table 2 Electrical specifications @ JX-DC-7.5G16G-S20

Item	Parameter	Specifications
1	Frequency range	7500-16000MHz
2	Nominal coupling	20±1.0dB
3	Coupling flatness	±0.1dB
4	Insertion loss	≤0.6dB
5	VSWR	≤1.5
6	Directivity	≥12dB
7	Forward power	50W
8	Impedance	50Ω
9	Operating temperature	-40°C to +80°C
10	Storage temperature	-55°C to +85°C

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