

Technical proposal for JX-DC-7G18G-10S50W Directional Coupler

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2021/09/29	Lin liqun	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-DC-7G18G-10S50W

Dimension	LxWxH: 33mm x 15mm x 11mm
Connectors	SMA-Female
Finish	Grey (Paint spraying)
Notes	Material shall be RoHS 6/6

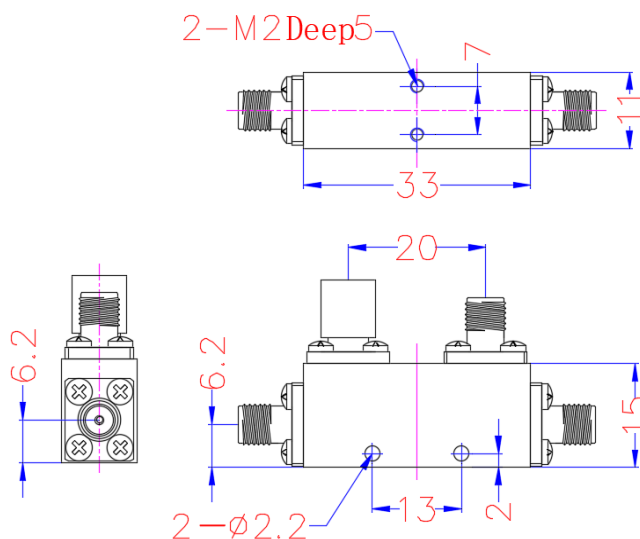


Figure 1 JX-DC-7G18G-10S50W front panel layout

2. Electrical specification

Table 2 Electrical specifications @ JX-DC-7G18G-10S50W

Item	Parameter	Specification
1	Frequency range	7000-18000MHz
2	VSWR	≤1.5
3	Insertion loss	≤0.6dB (Exclusive the 0.45dB Coupled Loss)
4	Nominal coupling	10±1dB
5	Coupling sensitivity	≤±0.7dB
6	Directivity	≥12dB
7	Forward power	50W
8	Impedance	50 Ω
9	Operational temperature	-40°C to +80°C
10	Storage temperature	-55°C to +85°C

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