

# Technical proposal for JX-BC-7.4G20.2G-15S 90 Degree Hybrid

- ◆ High Performance
- ◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/07/24	Lin liqun	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	LxWxH: 28mm x 25mm x 11mm
Connectors	SMA-Female
Finish	Grey Paint spraying
Notes	Material shall be RoHS 6/6

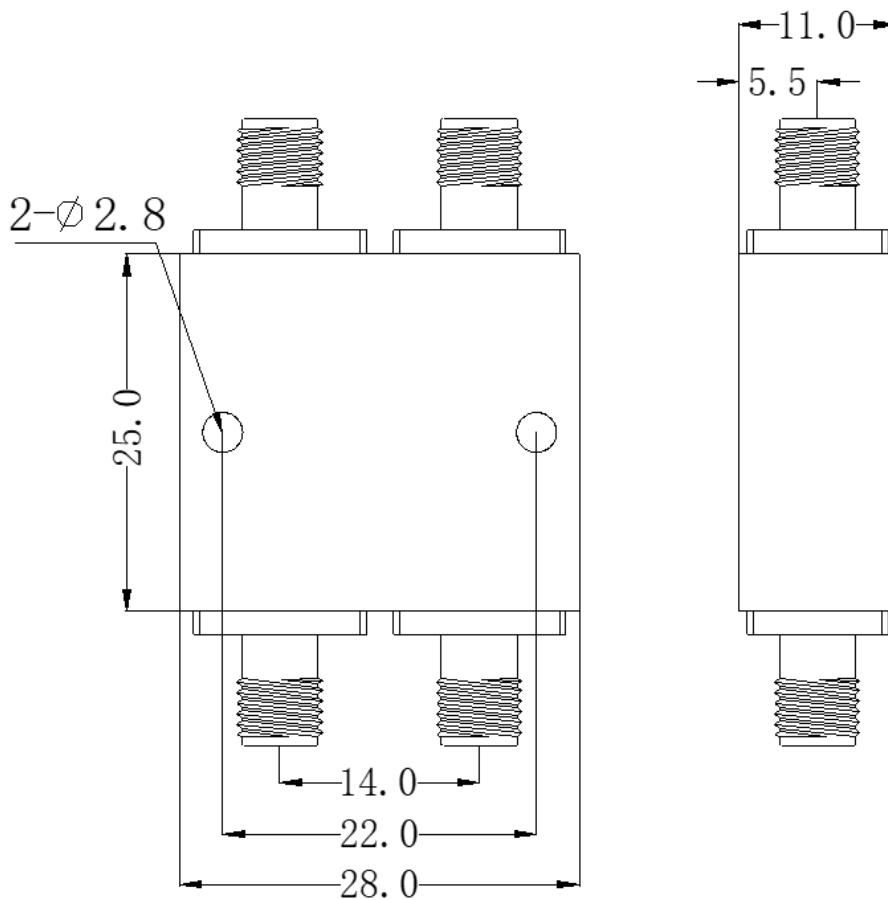


Figure 1 JX-BC-7.4G20.2G-15S front panel layout

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## 2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specification
1	Frequency range	7400-20200MHz
2	VSWR	$\leq 1.5$
3	Insertion loss	$\leq 1.5\text{dB}$
4	Isolation	$\geq 15\text{dB}$
5	Power	20W
6	Amplitude Balance	$\leq \pm 1.0\text{dB}$
7	Phase Balance	$\leq \pm 8^\circ$
8	Impedance all ports	50 $\Omega$
9	Operational Temperature	-40°C to +80 °C
10	Storage Temperature	-45°C to +85 °C

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