

Technical proposal for JX-BC-200M500M-18S 90 Degree Hybrid

- ◆ High Performance
- ◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/08/02	Lin liqun	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	LxWxH: 142mm x 58mm x 10mm
Connectors	SMA-Female
Finish	Grey Paint spraying
Notes	Material shall be RoHS 6/6

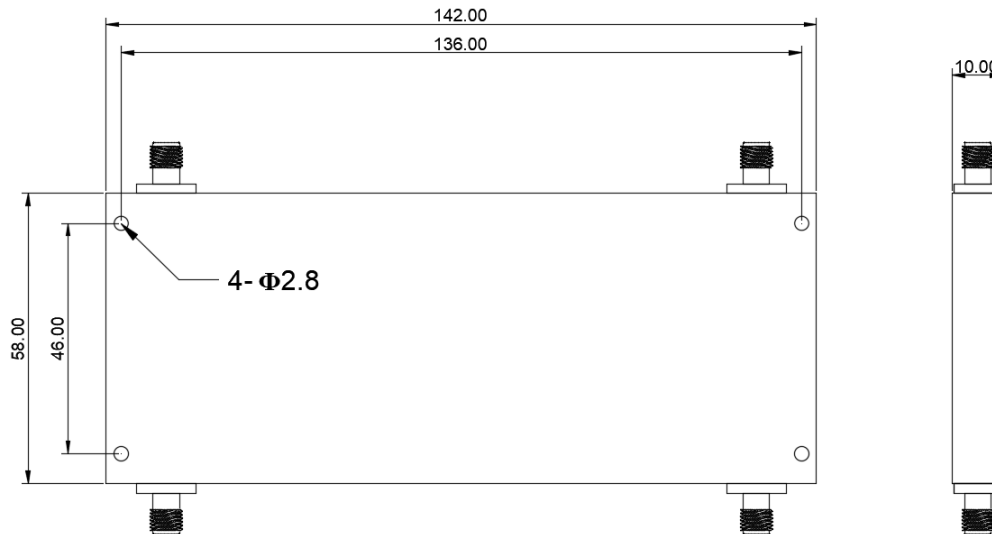


Figure 1 JX-BC-200M500M-18S front panel layout

2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specification
1	Frequency Range	200-500MHz
2	VSWR	≤ 1.3
3	Insertion Loss	$\leq 0.5\text{dB}$
4	Isolation	$\geq 18\text{dB}$
5	Amplitude Balance	$\leq \pm 1.0\text{dB}$
6	Phase Balance	$\leq \pm 5^\circ$
7	Power	10W
8	Impedance all ports	50 Ω
9	Operational Temperature	-40°C to +80 °C
10	Storage Temperature	-45°C to +85 °C

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