

Technical proposal for JX-PC-70M500M-20D 3dB Hybrid

- ◆ Low Insertion Loss
- ◆ High Rejection
- ◆ Small Volume
- ◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2018/11/07	Sam Chen	Created	/
V1.1	2018/11/08	Sam Chen	Update	/
V1.2	2018/11/12	Sam Chen	Update the outline drawing	/
V1.3	2019/09/03	Sam Chen	Change the appearance color	/

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-PC-70M500M-20D

Dimension	LxWxH: 154mm x 150mm x 36.5mm(±0.2mm)
Port connectors	DIN(7/16)-Female
IP Protection	IP65
Finish	Gray (Powder spraying)
Notes	Material shall be RoHS 6/6

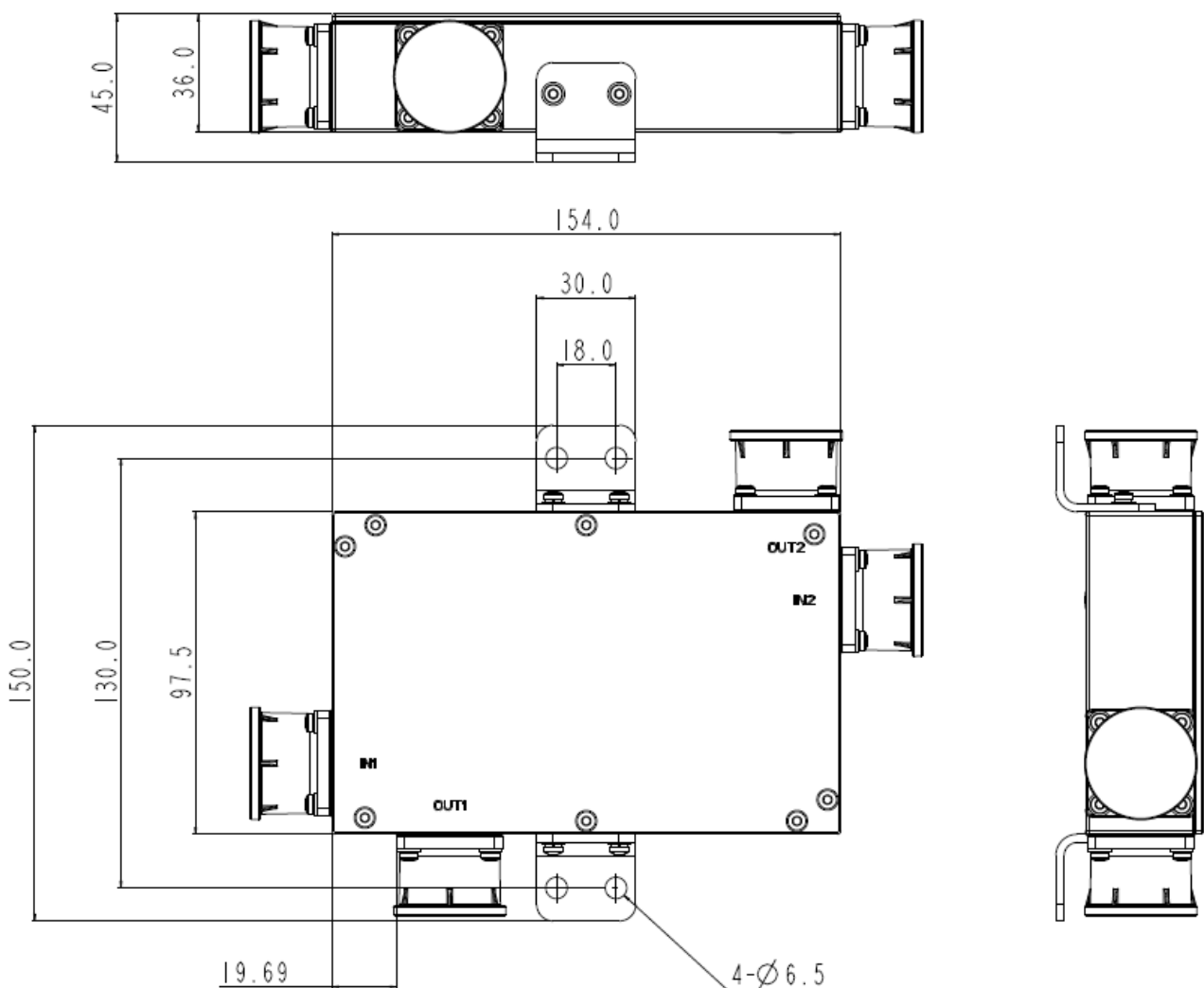


Figure 1 JX-PC-70M500M-20D front panel layout

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2. Electrical analysis

Electrical specifications

Table 2 Electrical specifications @ JX-PC-70M500M-20D

Item	specification
Frequency Rang	70-500MHz
Insertion Loss	≤4.5 dB
Isolation	≥20 dB
VSWR	≤1.4
Power Handing	≤ 50w Watt
Intermodulation	≥135dBc@2*43dBm
Impedance	50Ω
Operating Temperature	-25 to +50℃
Storage Temperature	-35 to +60℃
Humidity	5% to 75%

Coupling Port :1-2; 1-3; 2-4; 3-4 (< 4.5 dB)

Isolation Port :1-4; 2-3 (> 20 dB)

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