

Technical proposal for JX-DC-1500M1700M-30S Coupler

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/05/14	Lin liqun	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	LxWxH: 73mm x 15mm x 11mm
Connectors	SMA-Female
Finish	Conductive oxidation
Notes	Material shall be RoHS 6/6

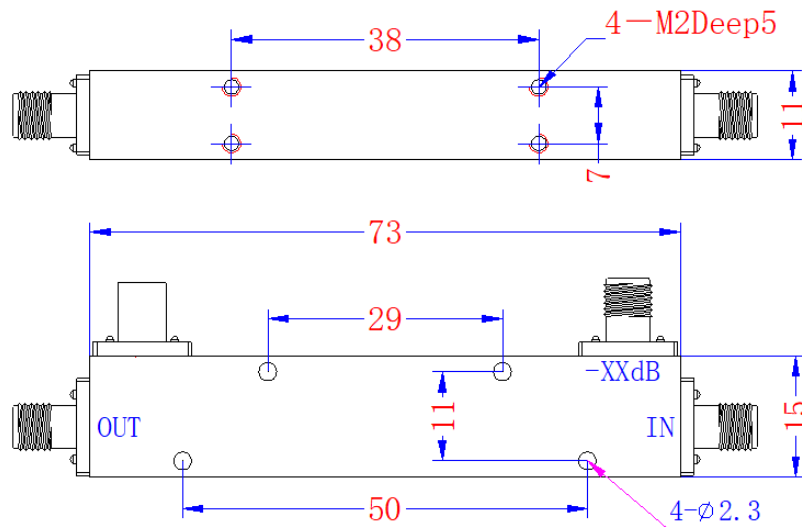


Figure 1 JX-DC-1500M1700M-30S front panel layout

2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specification
1	Frequency Range	1500-1700MHz
2	Insertion loss	$\leq 0.4\text{dB}$
3	VSWR Primary	$\leq 1.3:1$
4	VSWR Secondary	$\leq 1.3:1$
5	Directivity	$\geq 18\text{dB}$
6	Coupling	$30 \pm 1.0\text{dB}$
7	Power	10W
8	Impedance	50Ω
9	Operating temperature	-30°C to $+70^\circ\text{C}$

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