

# Technical proposal for JX-PC-66-500-10QN Coupler

## Revision History

Version	Date	Author	Revision description	Comment
V1.1	2018/12/24	Sam Chen	Update	/

**JING XIN MICROWAVE TECHNOLOGY CO.,LTD**

E-mail: [cd-jingxin@139.com](mailto:cd-jingxin@139.com) <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65941390

NO.65 West 1<sup>st</sup> Wu Ke Road,Wuhou District, ChengDu City,si Chuan Province China. Zip Code:610045

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## 1. Mechanical layout

Table 1 Mechanical Specifications

Dimension	L x W x H: 381mm x 144.4mm x 30mm( $\pm 0.2$ mm)
Connector	QN-Female
Finish	Co.Ocd
Notes	Material shall be RoHS 6/6

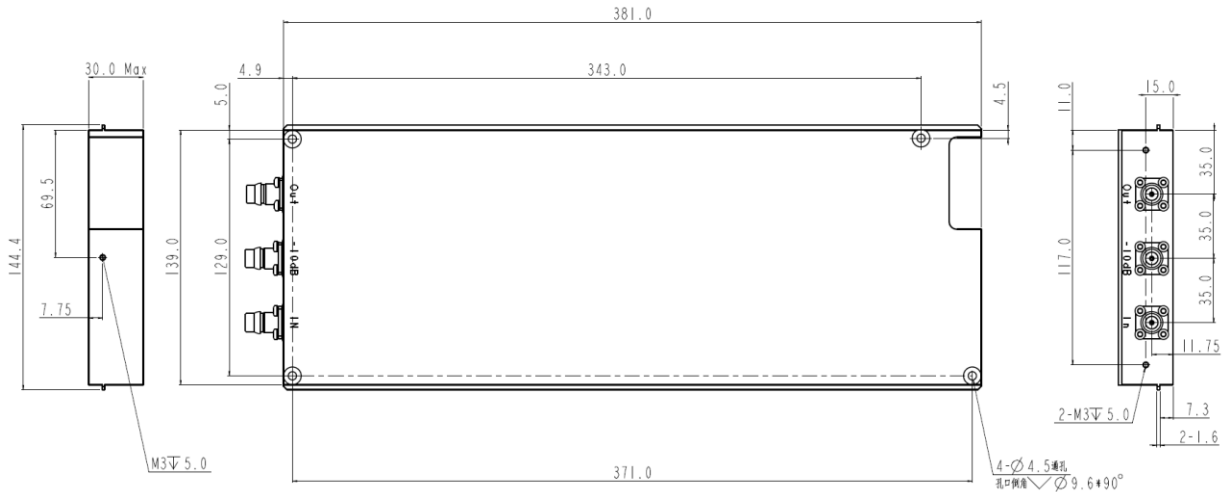


Figure 1 JX-PC-66-500-10QN Coupler front panel layout

## 2. Electrical Specifications

Table 2 Electrical Specifications

Item	specification
Frequency Rang	66-500MHz
Coupling	$10 \pm 3.5$ dB @66-100MHz
Coupling	$10 \pm 1.0$ dB @100-500MHz
Insertion loss	$\leq 0.9$ dB
Directivity	$\geq 15$ dB@70-300MHz
VSWR	$\leq 1.3:1$
Power Capacity	100 W
Impedance	50 $\Omega$
Passive Intermodulation (PIM)	$\leq 130$ dBc@2x43dBm
Operating Temperature	-25 to +60 $^{\circ}$ C
Storage Temperature	-40 to +80 $^{\circ}$ C

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