

Technical proposal for JX-DC-340M3800M-4310Fx Directional Coupler

- ◆ High Reliability
- ◆ LOW PIM
- ◆ IP65 Protection

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2021/08/18	Lin liqun	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	L x W x H: 173.5mm x 46.5mm x 28mm
Connectors	4.3/10 Female
IP protection	IP65
Notes	Material shall be RoHS 6/6

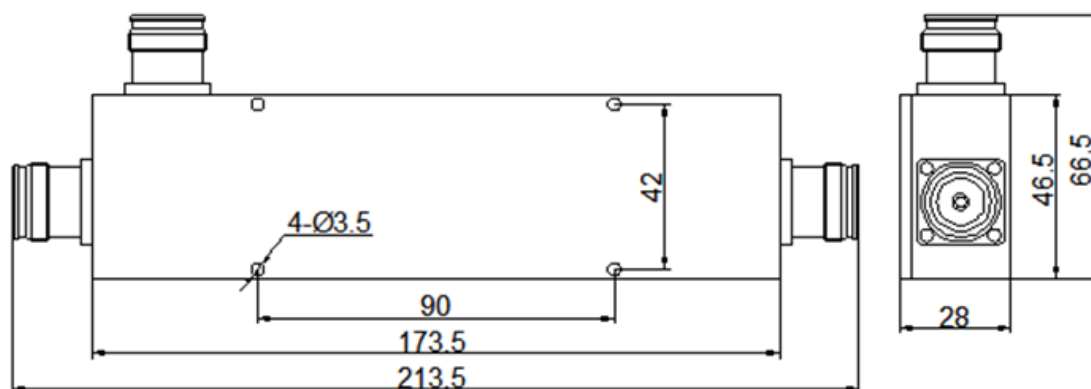


Figure 1 JX-DC-340M3800M-4310Fx front panel layout

2. Electrical specification

Table 2 Electrical specifications

Item	Parameter	Specification							
1	Frequency range	340-3800MHz							
2	Model number	JX-DC-340M3800M-4310F5	JX-DC-340M3800M-4310F6	JX-DC-340M3800M-4310F7	JX-DC-340M3800M-4310F8	JX-DC-340M3800M-4310F10	JX-DC-340M3800M-4310F13	JX-DC-340M3800M-4310F15	JX-DC-340M3800M-4310F20
3	Coupling	5±1.2dB	6±1.2dB	7±1.2dB	8±1.2dB	10±1.5dB	13±1.5dB	15±1.5dB	20±1.6dB
4	Insertion loss	≤2.3dB	≤1.8dB	≤1.5dB	≤1.2dB	≤1.1dB	≤0.5dB	≤0.5dB	≤0.4dB
5	VSWR	≤1.25:1						≤1.30:1	
6	Directivity	20dB						18dB	17dB
7	Power Rating	300W							
8	PIM3	-160dBc@2*43dBm (Reflection measurement 900MHz, 1800MHz)							
9	Impedance	50 Ω							
10	Temperature range	-35°C to +85°C							

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