

# Technical proposal for JX-DC-575M3800M-NFx Coupler

- ◆ IP65
- ◆ High Performance
- ◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/04/25	Lin liqun	Created	/
V1.1	2020/09/02	Lin liqun	Update Mechanical specifications and front panel layout and Electrical specifications	

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### 1. Mechanical layout

Table 1 Mechanical specifications

Dimension	LxWxH: 136mm x 50mm x 23mm
Connectors	N/Female
Finish	Black / Gray / Gold / Frosted Matte Black
Ingress Protection	Indoor/Outdoor Use, IP65
Notes	Material shall be RoHS 6/6

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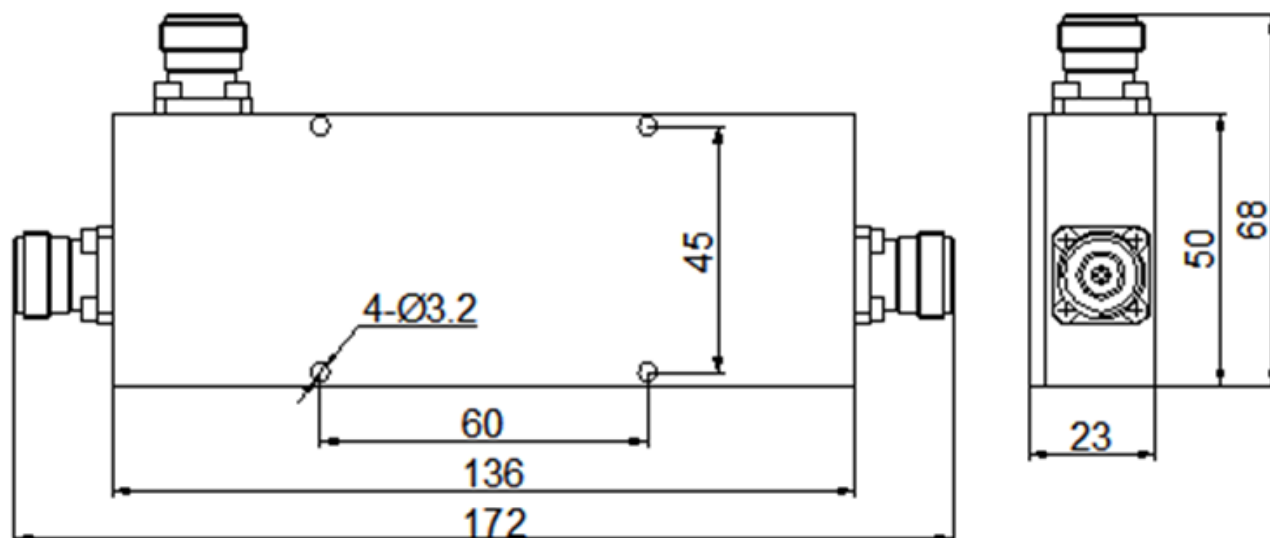


Figure 1 JX-DC-575M3800M-NFx front panel layout

## 2. Electrical specifications

Table 2 Electrical specifications

Item	Parameter	Specification							
1	Frequency range	575-3800MHz							
2	Model number	JX-DC -575M 3800M -NF5	JX-DC -575M 3800M -NF6	JX-DC -575M 3800M -NF7	JX-DC -575M 3800M -NF10	JX-DC -575M 3800M -NF13	JX-DC -575M 3800M -NF15	JX-DC -575M 3800M -NF20	JX-DC -575M 3800M -NF30
3	Coupling	5±1.0 dB	6±1.0 dB	7±1.0 dB	10±1.0 dB	13±1.0 dB	15±1.0 dB	20±1.0 dB	30±1.2 dB
4	Insertion loss	2.3dB	1.8dB	1.3dB	0.8dB	0.5dB	0.5dB	0.4dB	0.3dB
5	VSWR	≤1.25:1							
6	Directivity	20dB@575-3600MHz							
		18dB@3600-3800MHz							
7	PIM3	-155dBc@2x43dBm (Measured reflection 900 MHz, 1800 MHz)							
8	Power rating	300W							
9	Impedance	50Ω							
10	Temperature range	-35 to +85°C							

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