

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

- ◆ IP65
- ◆ High Performance
- ◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/04/25	Lin liqun	Created	/

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### 1. Mechanical layout

Table 1 Mechanical specifications

Dimension	LxWxH: 134mm x 47mm x 38mm
Connectors	7/16(DIN)-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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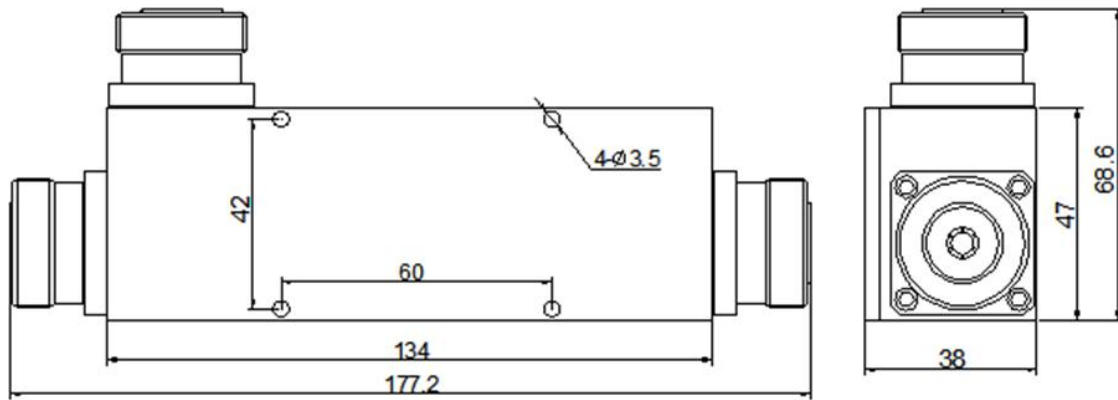


Figure 1 JX-DC-575M3800M-DINFx front panel layout

## 2. Electrical Specifications

Table 2 Electrical specifications

Item	Parameter	Specification									
1	Frequency Range	575-3800MHz									
2	Model number	JX-DC-575M3800M-DINF3dB	JX-DC-575M3800M-DINF5dB	JX-DC-575M3800M-DINF6dB	JX-DC-575M3800M-DINF8dB	JX-DC-575M3800M-DINF10dB	JX-DC-575M3800M-DINF13dB	JX-DC-575M3800M-DINF15dB	JX-DC-575M3800M-DINF20dB	JX-DC-575M3800M-DINF30dB	JX-DC-575M3800M-DINF40dB
3	Coupling	3±0.8 dB	5±1.0 dB	6±1.0 dB	8±1.0 dB	10±1.0 dB	13±1.0 dB	15±1.0 dB	20±1.0 dB	30±1.0 dB	40±1.5 dB
4	Insertion loss	3.6dB	2.3dB	1.8dB	1.1dB	0.8dB	0.5dB	0.5dB	0.4dB	0.3dB	0.3dB
5	VSWR	≤1.25:1									
6	Directivity	20dB@575-3600MHz									
		18dB@3600-3800MHz									
7	Intermodulation	-155dBc@2x43dBm *									
8	Power Rating	300W									
9	Impedance	50Ω									
10	Temperature Range	-35 to +85°C									

\* Can be Custom Made with -160dBc @ 2X43dBm

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