

# Technical Proposal for JX-CF1-2180M2300M-60N Cavity Filter

- ◆ Low Insertion Loss
- ◆ High Rejection
- ◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/08/19	Lin liqun	Created	/

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### 1. Mechanical layout

Table 1 Mechanical specifications @ JX-CF1-2180M2300M-60N

Dimension	LxWxH: 225mm x 100mm x 35mm (41mm Max)
Port connectors	N-Female
Finish	Silver
Notes	Material shall be RoHS 6/6

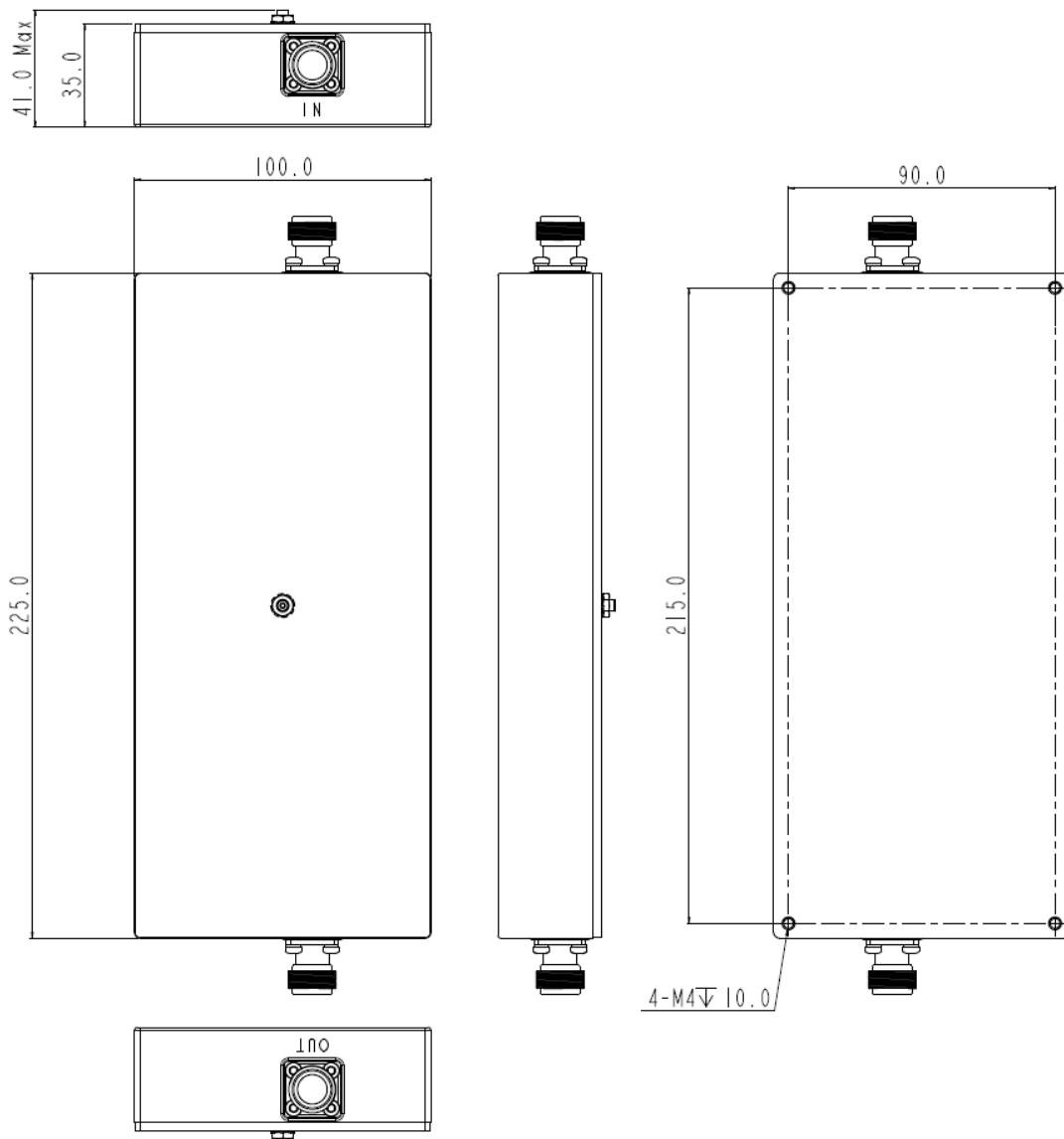


Figure 1 JX-CF1-2180M2300M-60N front panel layout

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## 2. Electrical analysis

### 2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-2180M2300M-60N

Item	Parameter	Specification
1	Frequency range	2180-2300MHz
2	Return loss	$\geq 15\text{dB}$
3	Insertion loss	$\leq 1.0\text{dB}$
4	Rejection	$\geq 60\text{dB}$ @ 2110-2170MHz
5	Power	50W
6	Impedance	50 $\Omega$

### 2.2 The simulation curve

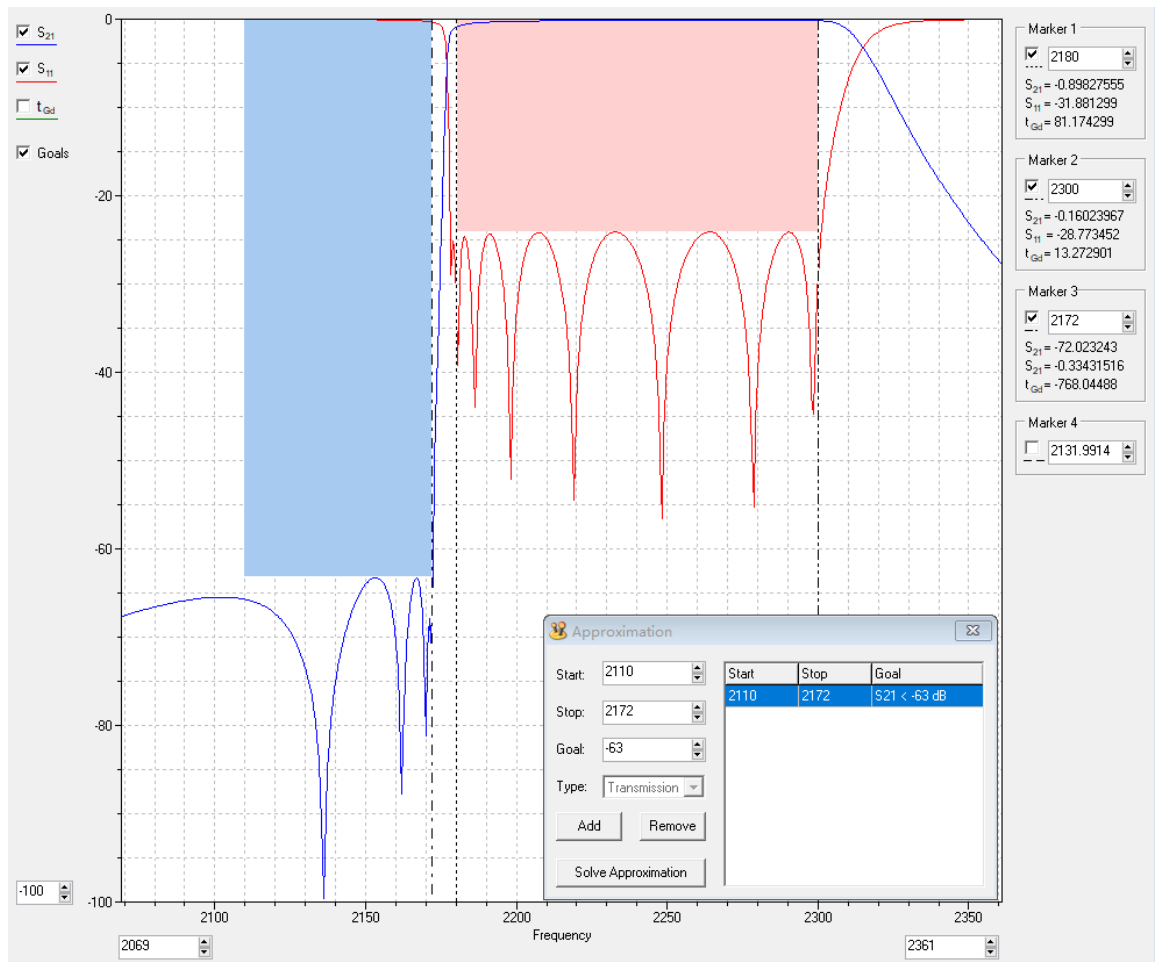


Figure 2 The simulation curve of the filter

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