

# Technical proposal for JX-CF1-896M915M-45S Cavity Filter

◆ High Performance

◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/06/03	Lee	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-CF1-896M915M-45S

Dimension	LxWxH: 96mm x 66mm x 36mm (42mm Max)
Port connectors	SMA-Female
Finish	Silver
Notes	Material shall be RoHS 6/6

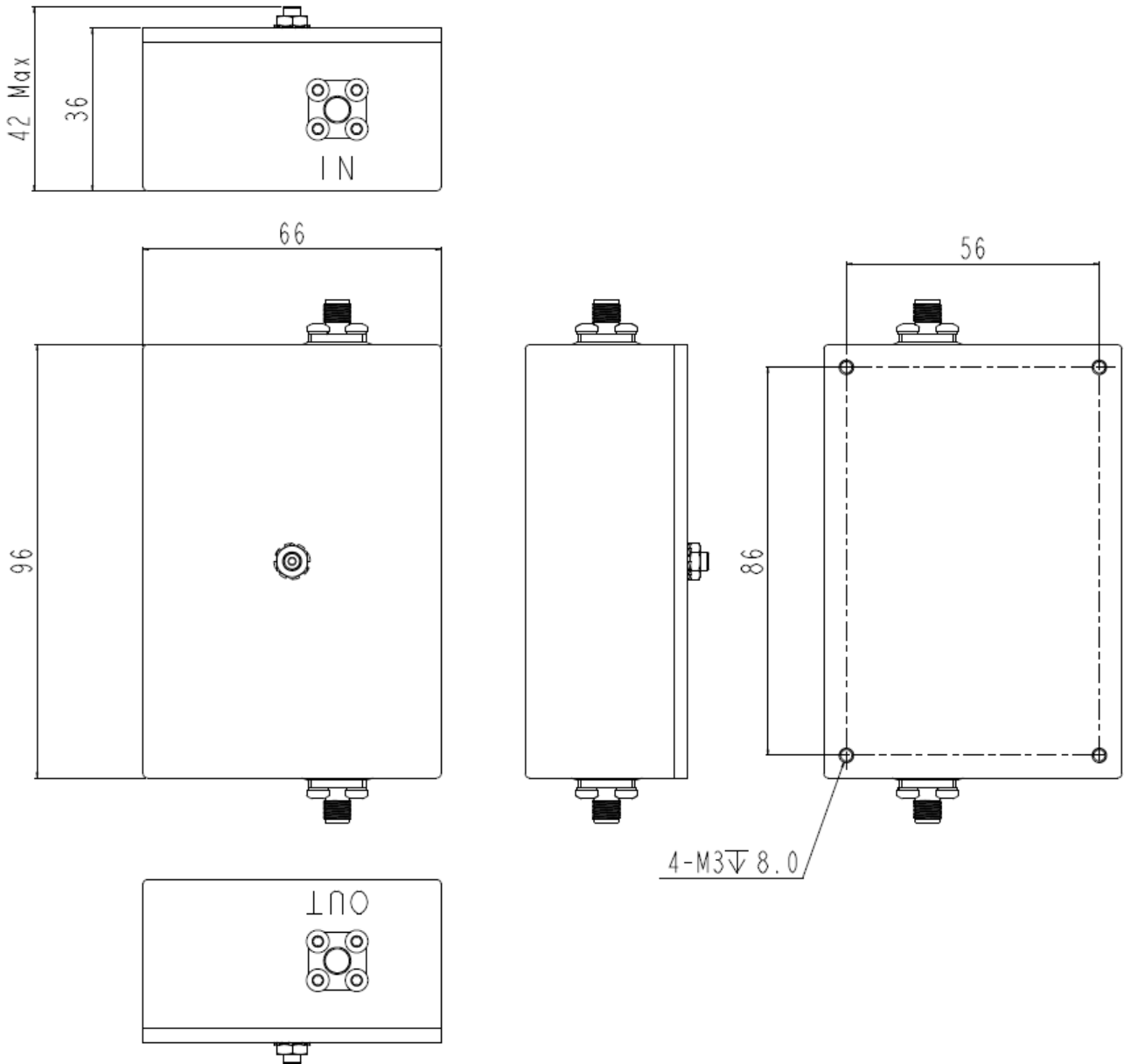


Figure 1 JX-CF1-896M915M-45S front panel layout

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## 2. Electrical analysis

### 2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-896M915M-45S

Item	Parameter	Specifications
1	Frequency range	896-915MHz
2	Return loss	≥17dB
3	Insertion loss	≤1.7dB@896-915MHz    ≤1.1dB@905.5MHz
4	Rejection	≥45dB@DC-890MHz
		≥45dB@925-3800MHz
5	Power	10 W
6	Operating temperature range	-40°C to +85°C
7	Impedance	50 Ω

### 2.2 The simulation curve

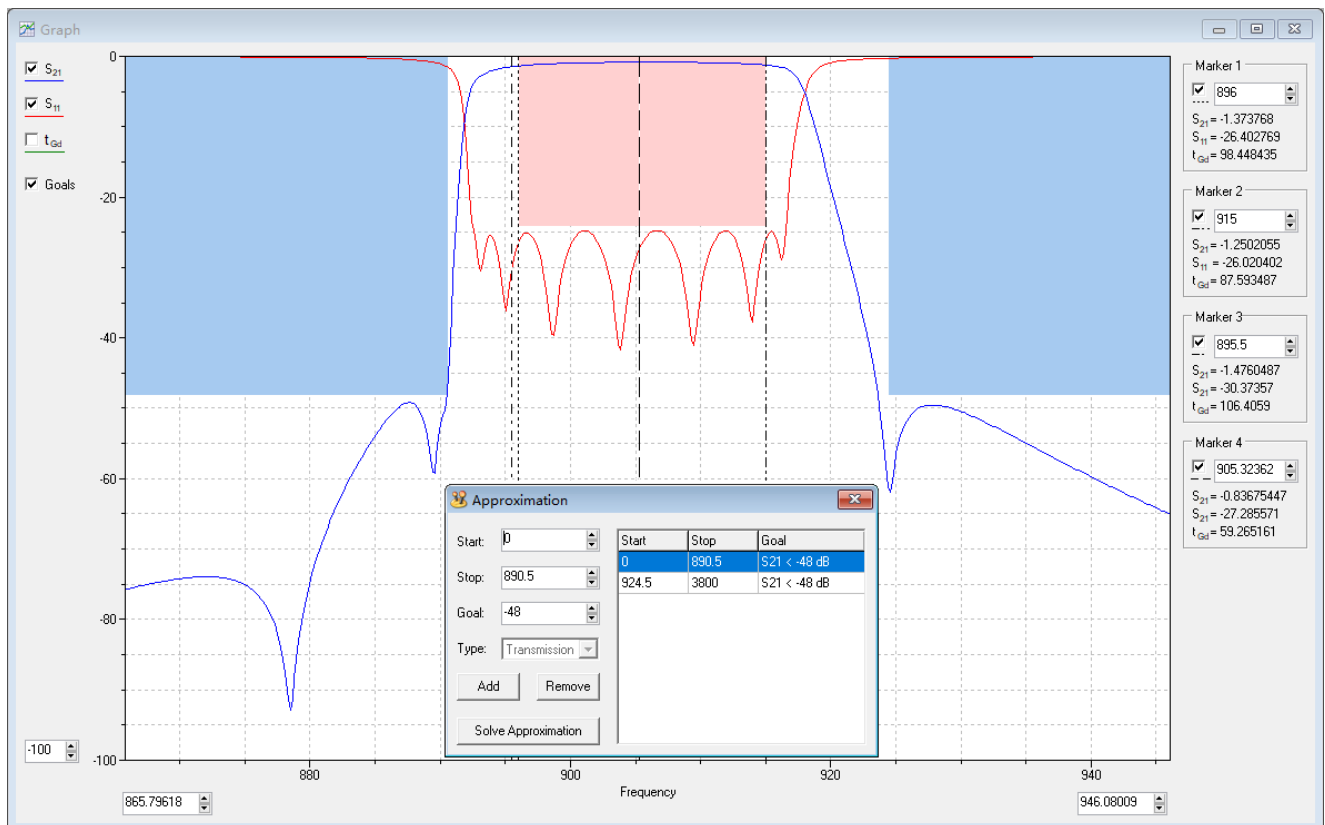


Figure 2 The simulation curve of the filter

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