

Technical Proposal for JX-CF1-890M915M-S25 Cavity Filter

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/10/20	Lee	Created	/

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JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: sales@cdjx-mw.com Web: <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65026087 ext.8033 Zip Code:610045

Add: No.65,West 1st Wu Ke Road, Wu Hou District, Cheng Du City, Si Chuan Province, China.

1. Mechanical layout

Table 1 Mechanical specifications @ JX-CF1-890M915M-S25

Dimension	L x W x H: 100mm x 65mm x 36mm (42mm Max)
Port connectors	SMA-Female
Finish	Conductive oxidation of aluminum alloy
Notes	Material shall be RoHS 6/6

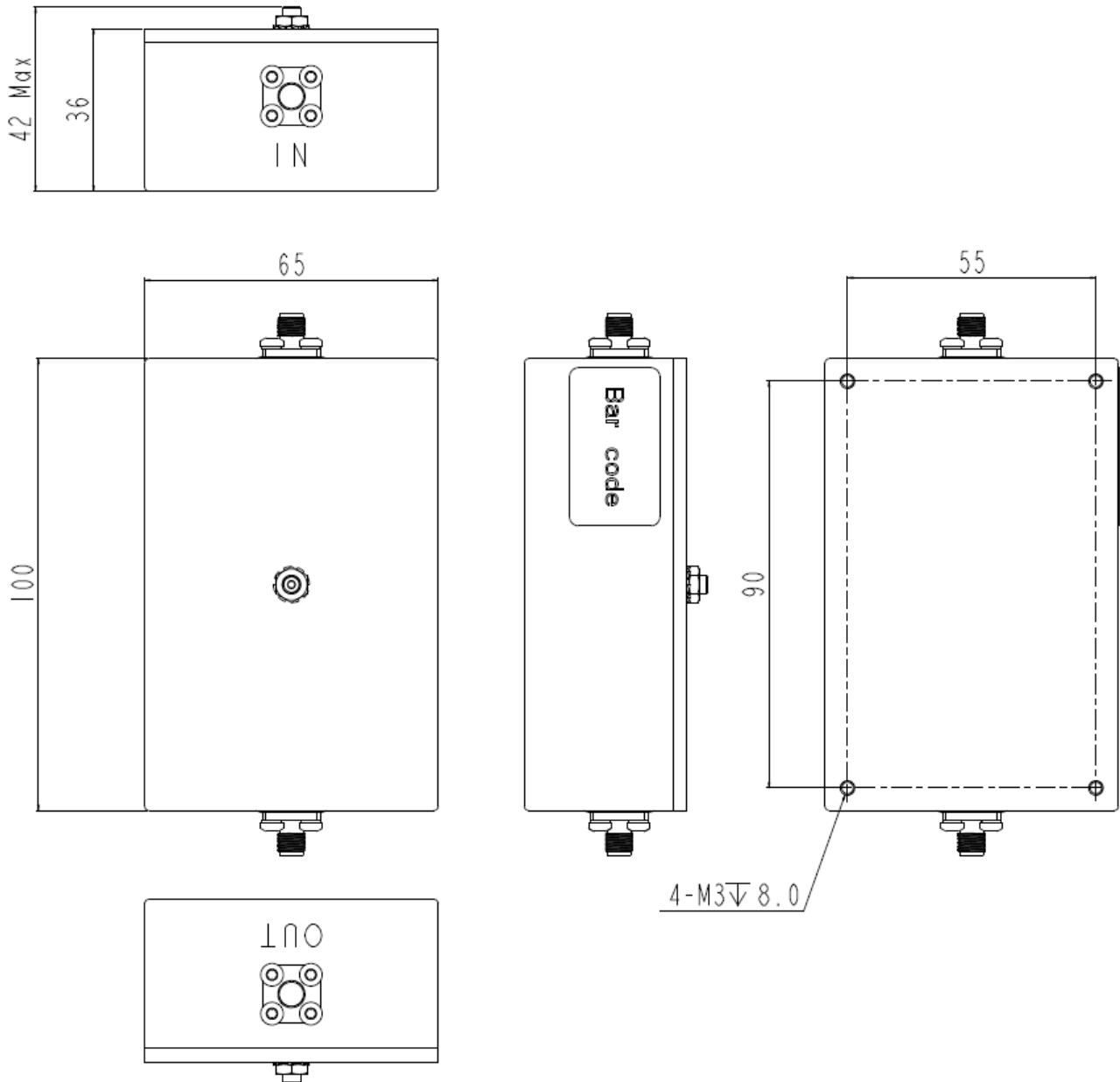


Figure 1 JX-CF1-890M915M-S25 front panel layout

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2. Electrical analysis

2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-890M915M-S25

Item	Parameter	Specification
1	Frequency range	890-915MHz
2	Return loss	$\geq 15\text{dB}$
3	Insertion loss	$\leq 2.0\text{dB}$
4	Rejection	$\geq 30\text{dB}$ @ 869-885MHz
5	Average power	50W
6	Impedance	50Ω

2.2 The simulation curve

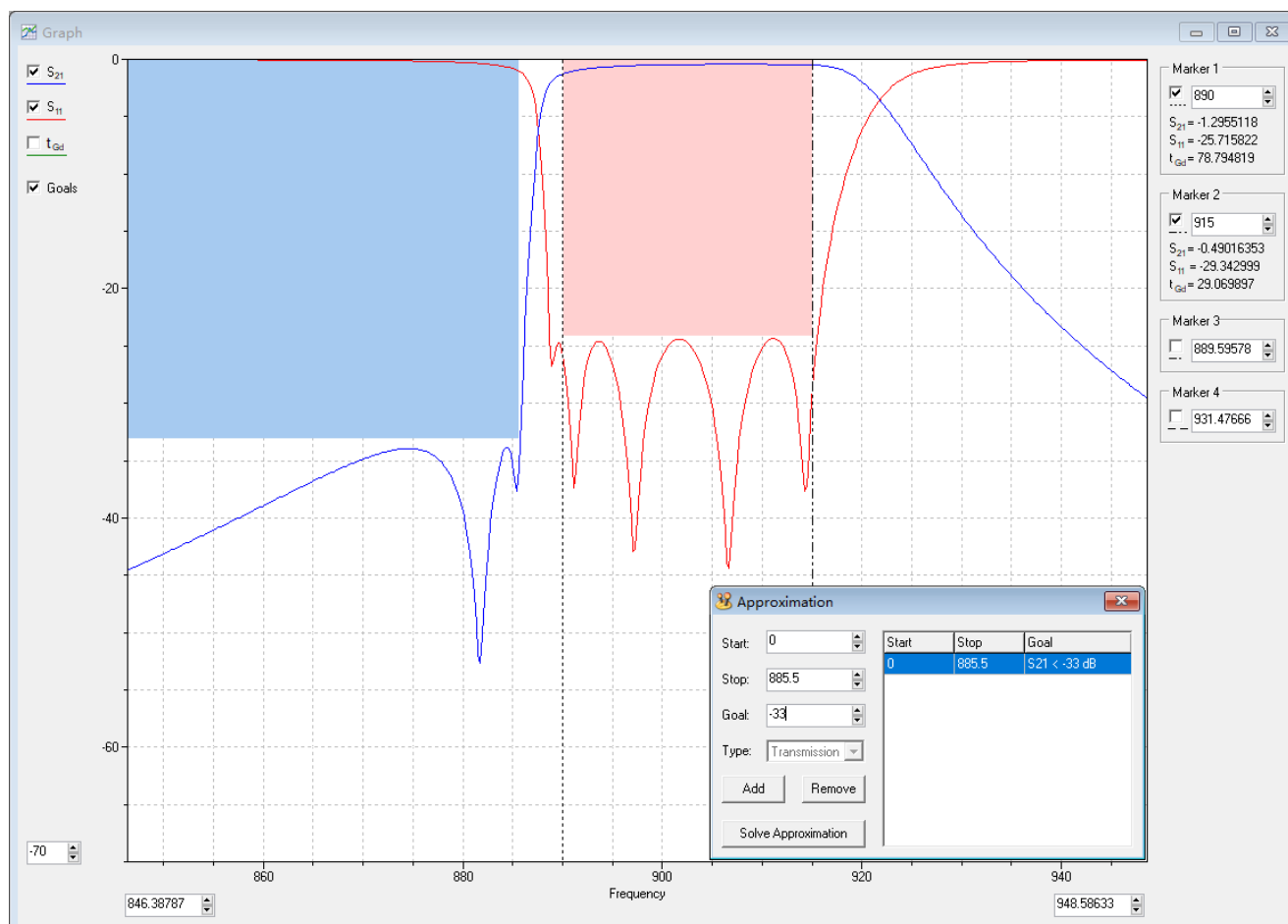


Figure 2 The simulation curve of the Filter

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