

# Technical Proposal for JX-CF1-2500M2690M-70S Cavity Filter

◆ High Performance

◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/10/12	Lee	Created	/

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## 1. Mechanical layout

Table 1 Mechanical specifications @ JX-CF1-2500M2690M-70S

Dimension	L x W x H: 95mm x 50mm x 24mm (30mm Max)
Port connectors	SMA-Female
Finish	Conductive oxidation of aluminum alloy
Notes	Material shall be RoHS 6/6

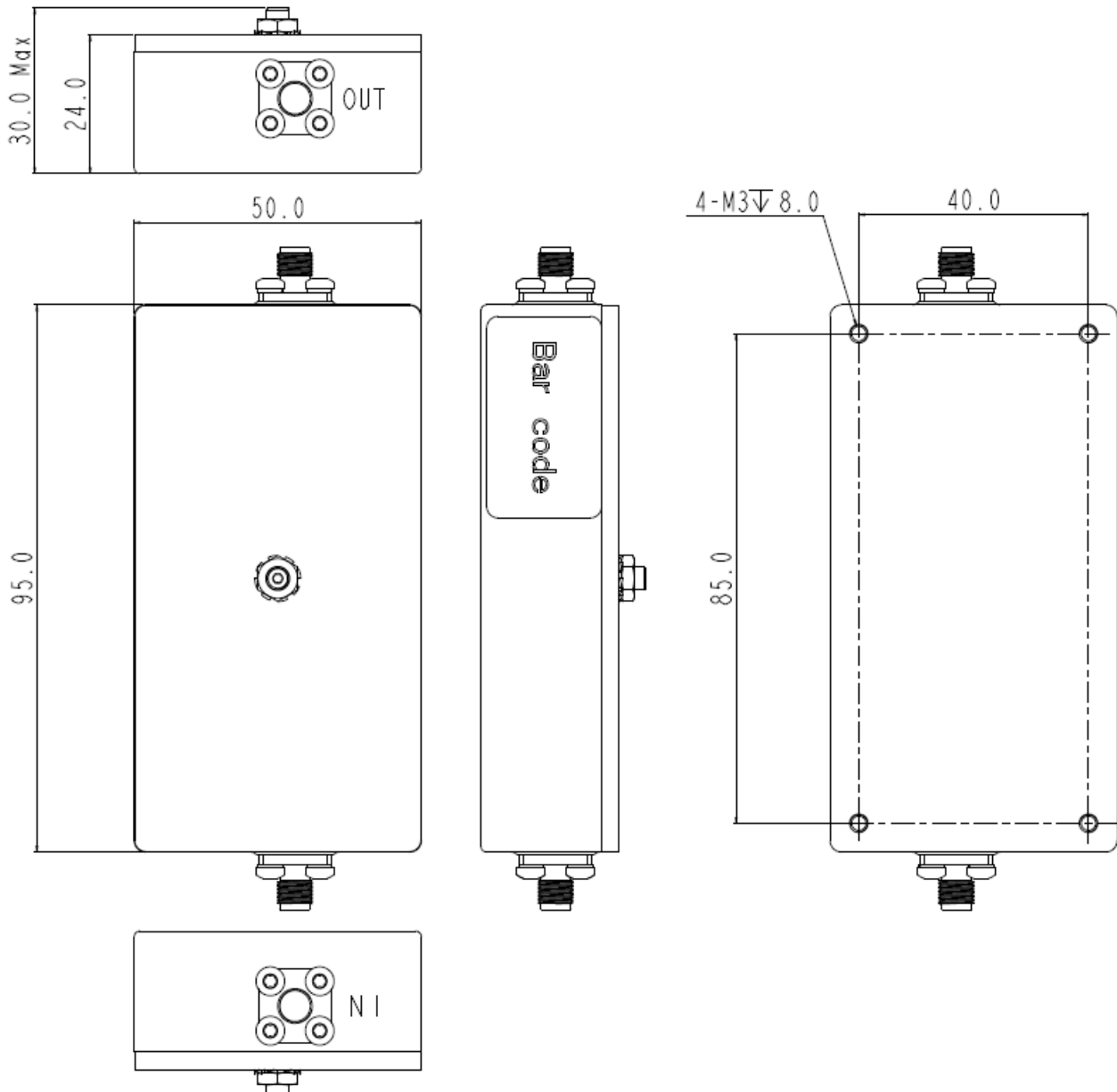


Figure 1 JX-CF1-2500M2690M-70S front panel layout

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## 2. Electrical analysis

### 2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CF1-2500M2690M-70S

Item	Parameter	Specification
1	Frequency range	2500-2690MHz
2	Return loss	$\geq 15\text{dB}$
3	Insertion loss	$\leq 1.5\text{dB}$
4	Rejection	$\geq 70\text{dB}$ @ 2400MHz
		$\geq 70\text{dB}$ @ 3000MHz
5	Average power	50W
6	Impedance	$50\Omega$

### 2.2 The simulation curve

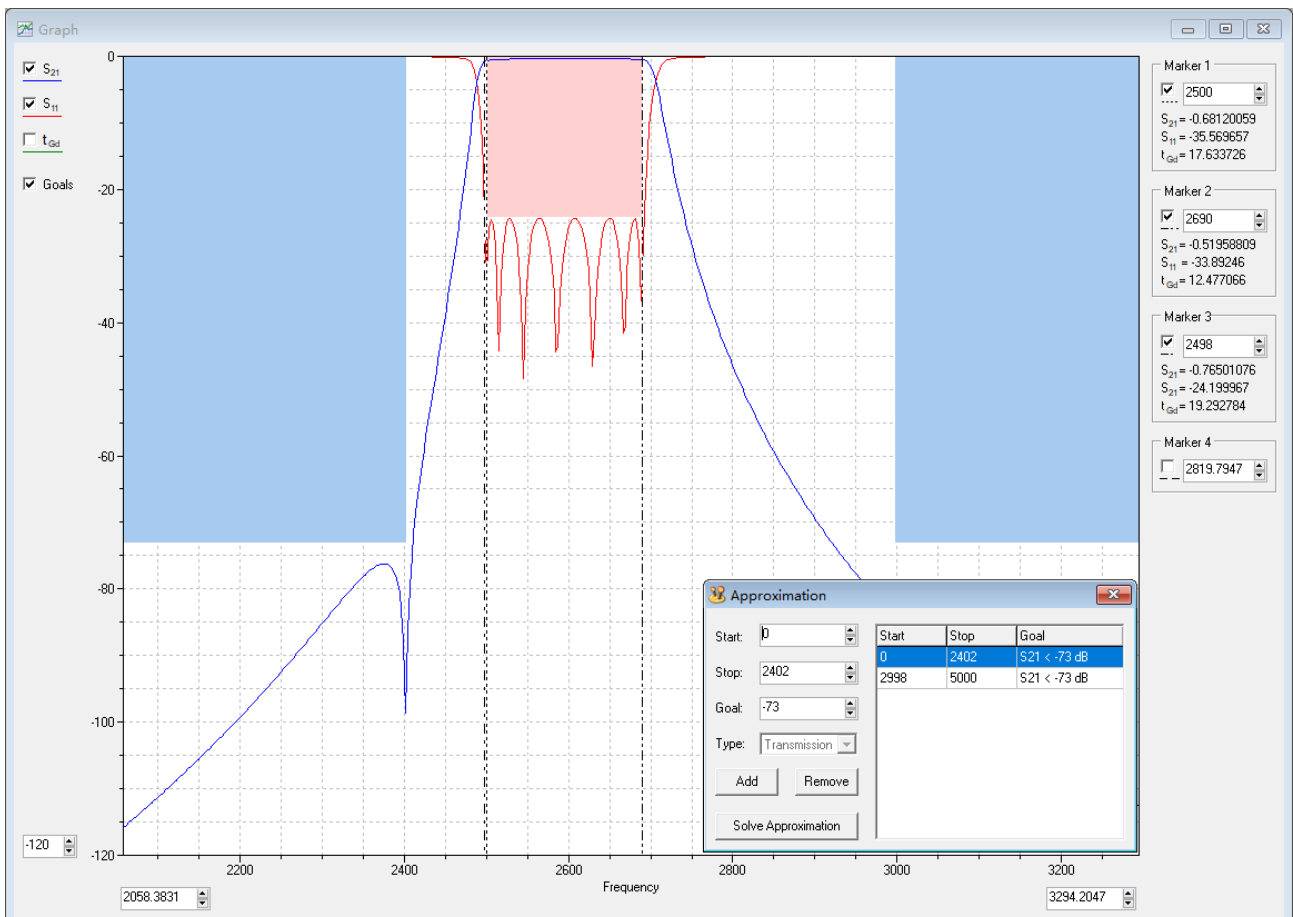


Figure 2 The simulation curve of the Filter

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