

Technical proposal for JX-CF1-3300M3800M-S602 Cavity Filter

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2022/01/24	Lee	Created	/

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1. Mechanical layout

Table 1 Mechanical specification @ JX-CF1-3300M3800M-S602

Dimension	L x W x H: 80mm x 40mm x 23mm (Max 28.0mm)
Port connectors	SMA-Female
Mounting	4-M3 deep 8.0mm
Weight	≤0.4kg
Finish	Black (Paint spraying)
Notes	Material shall be RoHS 6/6

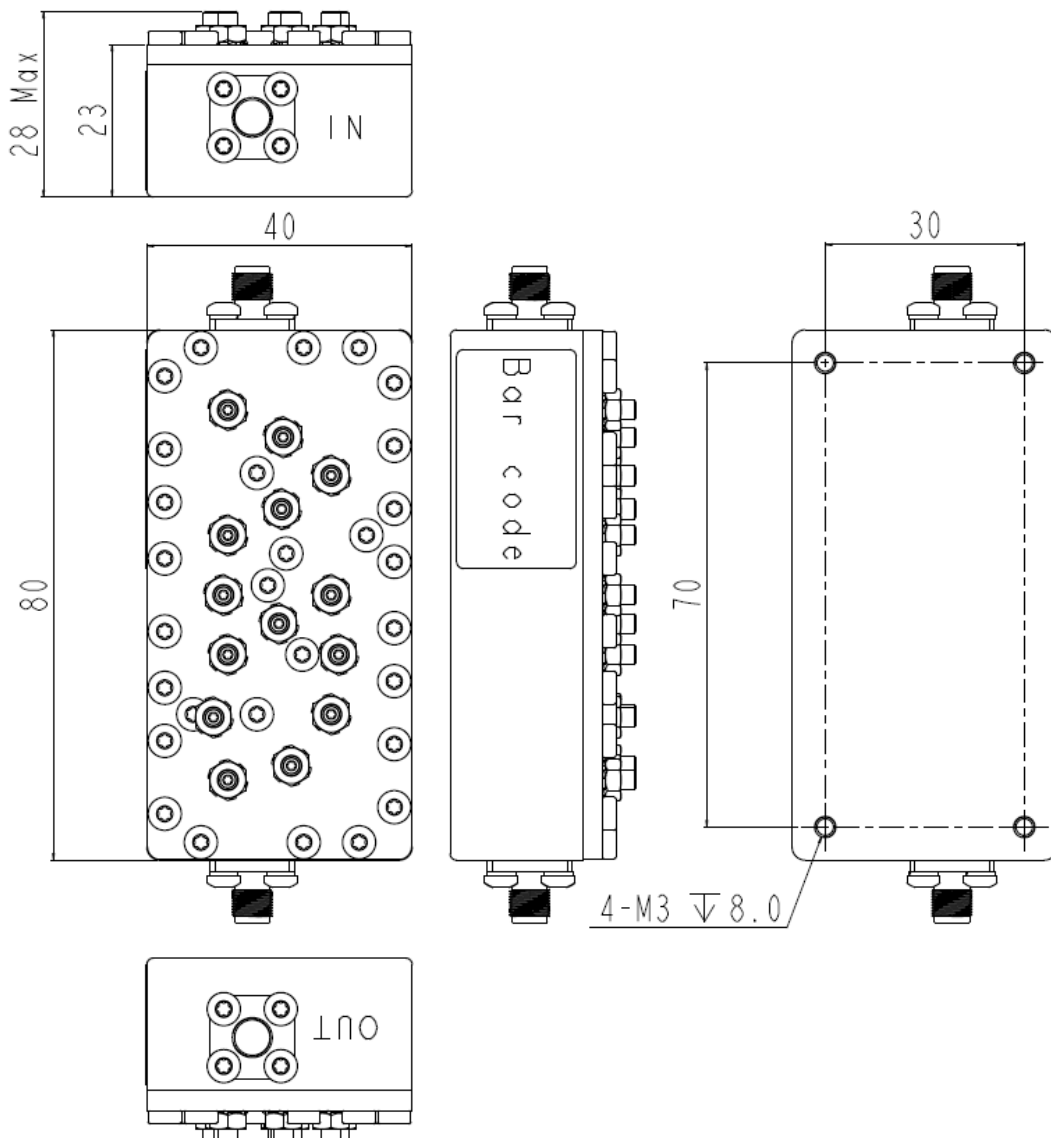


Figure 1 JX-CF1-3300M3800M-S602 front panel layout

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2. Electrical analysis

2.1 Electrical specification

Table 2 Electrical specification @ JX-CF1-3300M3800M-S602

Item	Parameter	Specifications
1	Frequency range	3300-3800MHz
2	Return loss	$\geq 15\text{dB}$
3	Insertion loss	$\leq 0.9\text{dB}$
4	Ripple in band	$\leq 0.5\text{dB}$
5	Rejection	$\geq 60\text{dB}$ @ 703-2690MHz&4000-6000MHz
6	Power	50W
7	Temperature range	0°C to +55°C
8	Impedance	50 Ω

2.2 The simulation curve

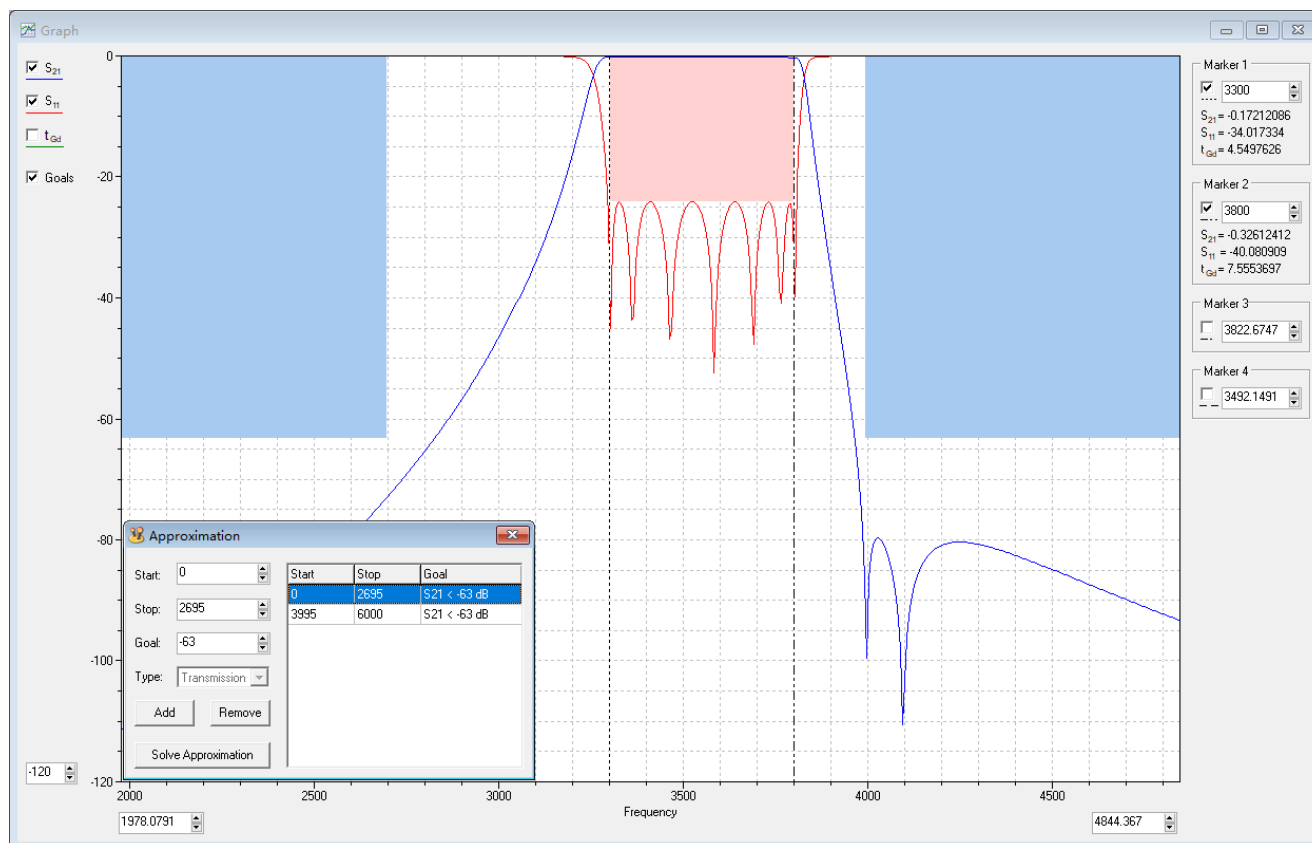


Figure 2 The simulation curve of the filter

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