

Technical proposal for JX-CF1-9400M9600M-S4 Filter

Revision History

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V1.0	2018/10/12	Sam Chen	Created	/
				/

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1. Mechanical layout

Table 1 Mechanical Specifications

Dimension	L x W x H: 52mm x 15mm x 12mm(± 0.3 mm)
Port connectors	Microstrip needle $\Phi 0.5 \times 2$ mm
Finish	Silver
Notes	Material shall be RoHS 6/6

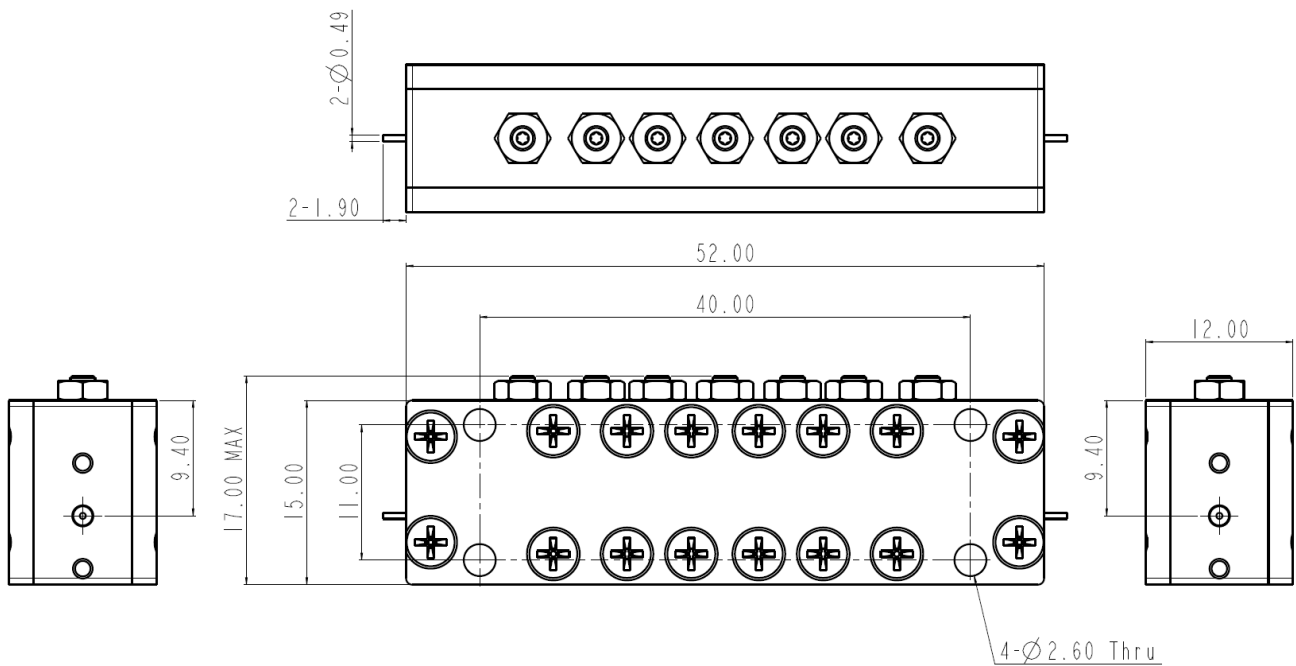


Figure 1 JX-CF1-9400M9600M-S4 Filter front panel layout

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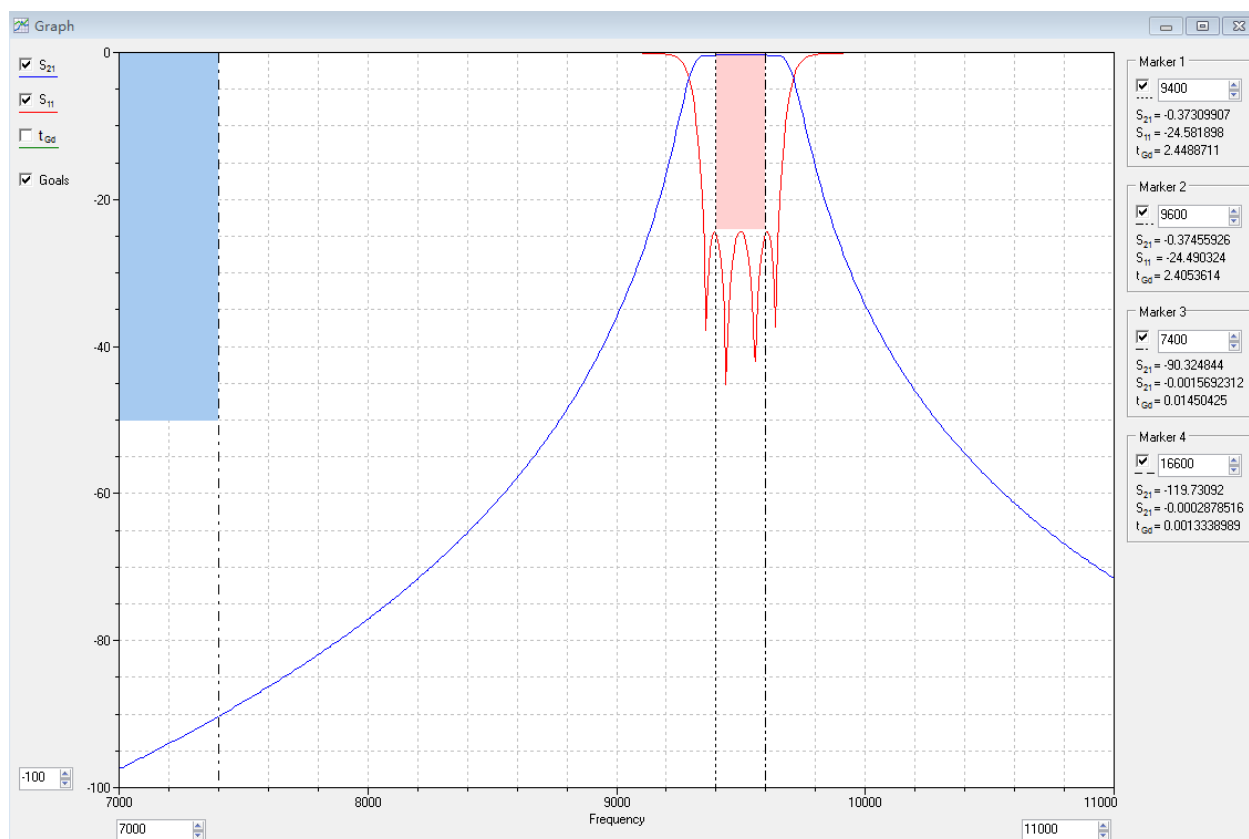
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2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter		JX Suggest
1	Center Frequency	9500MHz	OK
2	Band pass bandwidth	200MHz	OK
3	Insertion loss	≤1.0dB	OK
4	Ripple	≤0.5dB	OK
4	VSWR	≤1.5:1	OK
5	Rejection	≥50dB@7400MHz ≥70dB@5200-5400MHz ≥70dB@16600-16800MHz	OK
6	Power	10dBm	OK
7	Impedance	50Ω	OK
8	Operating Temperature	-40°C-+85°C	OK

The simulation curve



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