

Technical proposal for JX-CF-898-PB35 Cavity Filter

Revision History

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-CF-898-PB35

Dimension	LxWxH: 143mm x 64mm x 35mm(42 max)
Connectors	N-Female
Weight	2.0kg max
Finish	Silver
Notes	Material shall be RoHS 6/6

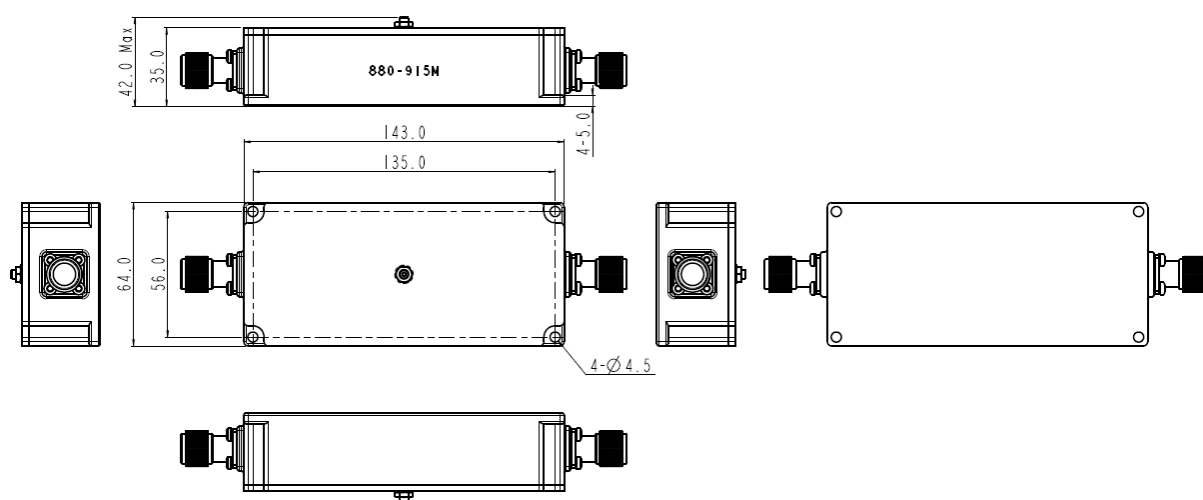


Figure 1 JX-CF-898-PB35 front panel layout

2. Electrical analysis

2.1 Schematic diagram of the Filter

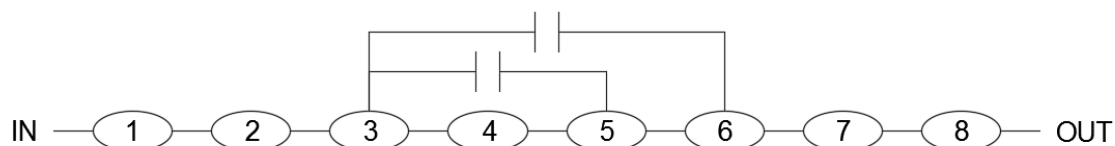


Figure 2 Topology of the Filter

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2.2 Electrical specifications

Table 2 Electrical specifications @ JX-CF-898-PB35

Item	Parameter	Specification	JX Suggest
1	Frequency Range	880-915MHz	OK
2	VSWR	≤ 1.5	OK
3	Insertion loss	≤ 2.0 dB	OK
4	Attenuation	≥ 40 dB@DC-870MHz ≥ 40 dB@925-2300MHz	OK
5	Impedance all ports	50 Ohm	OK
6	Operating Temperature Range	-10°C to 50°C	OK

2.3 The simulation curve

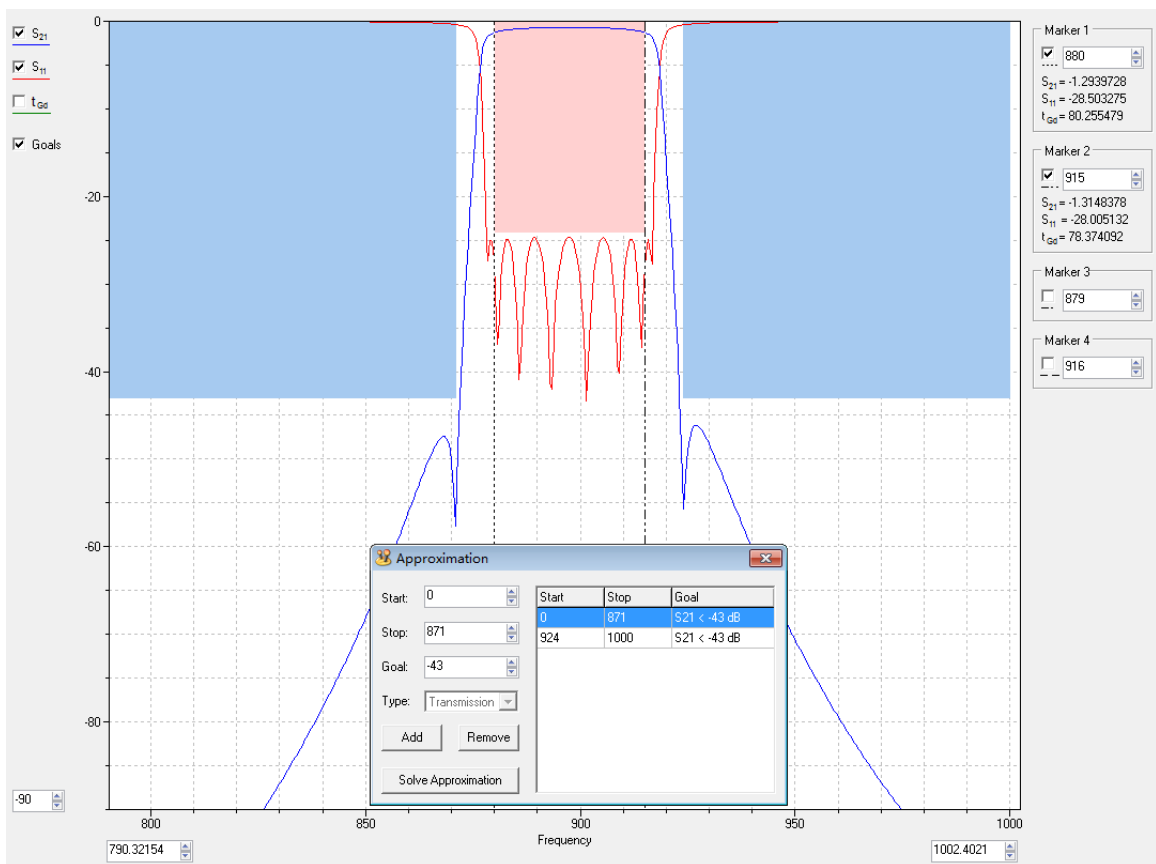


Figure 3 The simulation curve of the Filter

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