

# Technical proposal for JX-LCF-98-20 LC Filter

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2018/01/25	Lin liqun	Created	/
V1.1	2018/01/26	Lee	Change the input power	/

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## 1. Mechanical layout

Table 1 Mechanical Specifications

Dimension	LxWxH: 50mm x 20mm x 15mm
Connectors	SMA-Female
Finish	Aluminum
Notes	Material shall be RoHS 6/6

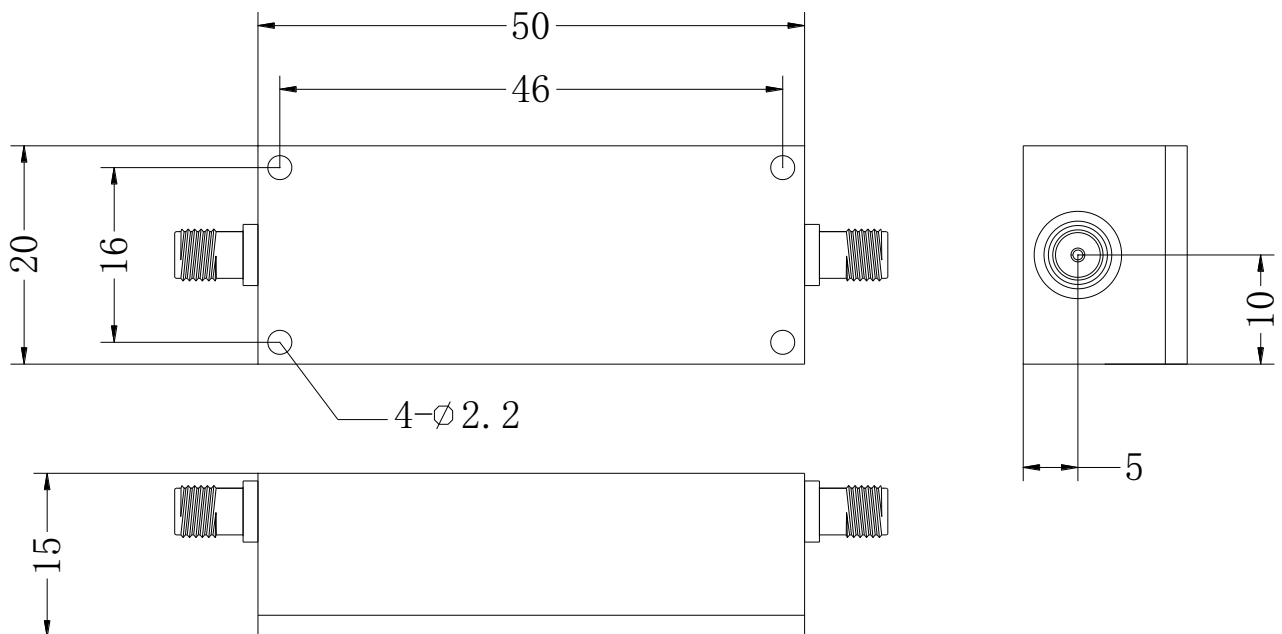


Figure 1 JX-LCF-98-20 front panel layout

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## 2. Electrical specifications

Table 2 Electrical specifications

Item	Parameter	Spec
1	Frequency range	87.5-108MHz
2	Return loss (Normal Temp)	≥15dB
	Return loss (Full Temp)	≥15dB
3	Max insertion loss (Normal Temp)	≤2.0dB
	Max insertion loss (Full Temp)	≤2.0dB
4	Ripple in Band (Normal Temp)	≤1.0dB
	Ripple in Band (Full Temp)	≤1.0dB
5	Rejections (Full Temp)	≥60dB@DC-53MHz&143-500MHz
6	Impedance all ports	50Ohm
7	Power	2W max
8	Operating Temperature	-40°C~+70°C
9	Storage Temperature	-55°C~+85°C

## 3. The simulation curve

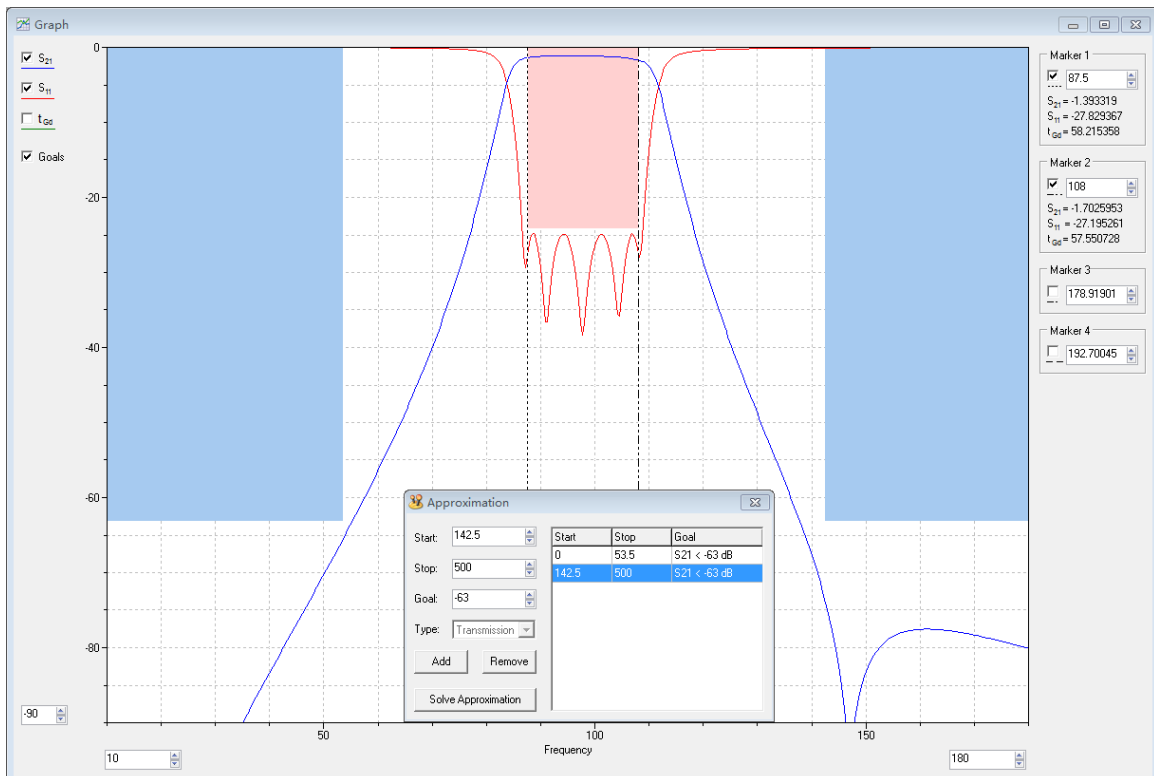


Figure 2 The simulation curve of JX-LCF-98-20

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