

Technical proposal for JX-LCF-227.5-25 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 frequency range	/
V1.2	2018/02/01	Lee	Change the rejections	/
V1.3	2018/02/07	Lee	Move the frequency range	/
V1.4	2018/02/07	Lee	Change the frequency range and the rejections	/
V1.5	2018/02/09	Lee	Modify the rejections $\geq 32\text{dB}@DC-174\text{MHz}$	/

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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

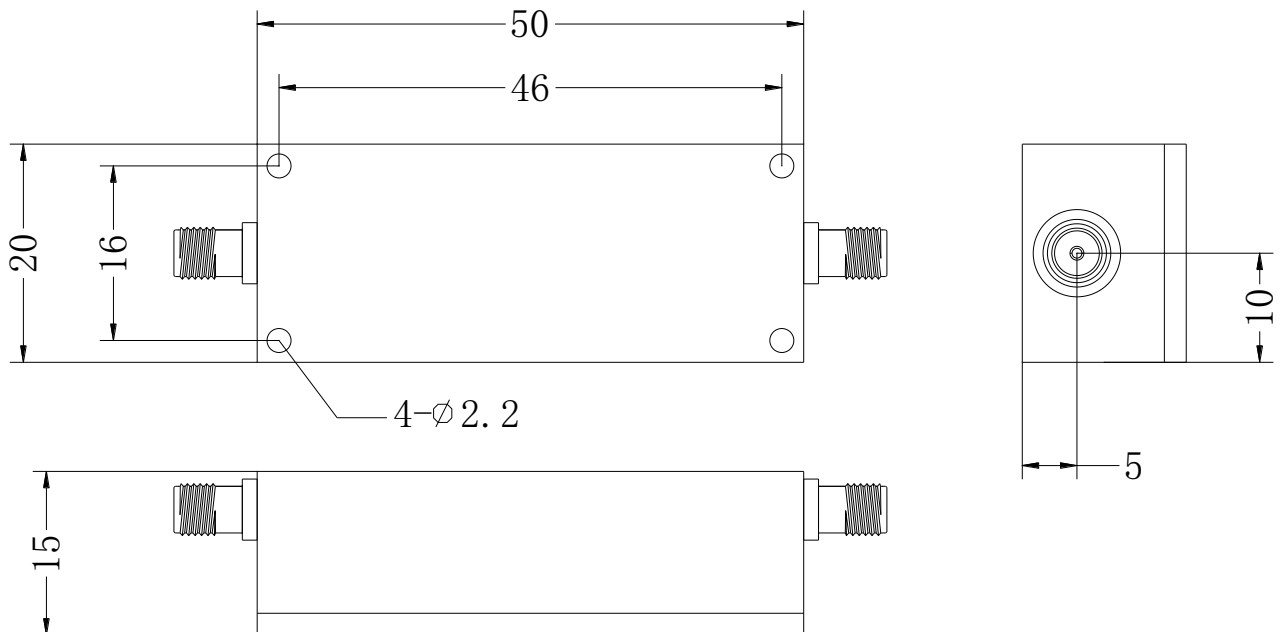


Figure 1 JX-LCF-227.5-25 front panel layout

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2. Electrical specifications

Table 2 Electrical specifications

Item	Parameter	Spec
1	Frequency range	202-240MHz
2	Return loss (Normal Temp)	≥16dB
	Return loss (Full Temp)	≥16dB
3	Max insertion loss (Normal Temp)	≤2.0dB
	Max insertion loss (Full Temp)	≤2.0dB
4	Ripple in Band (Normal Temp)	≤1.5dB
	Ripple in Band (Full Temp)	≤1.5dB
5	Rejections (Full Temp)	≥32dB@DC-174MHz
		≥60dB@380-470MHz
6	Impedance all ports	50Ohm
7	Power	5W
8	Operating Temperature	-20°C~+70°C
9	Storage Temperature	-55°C~+85°C

3. The simulation curve

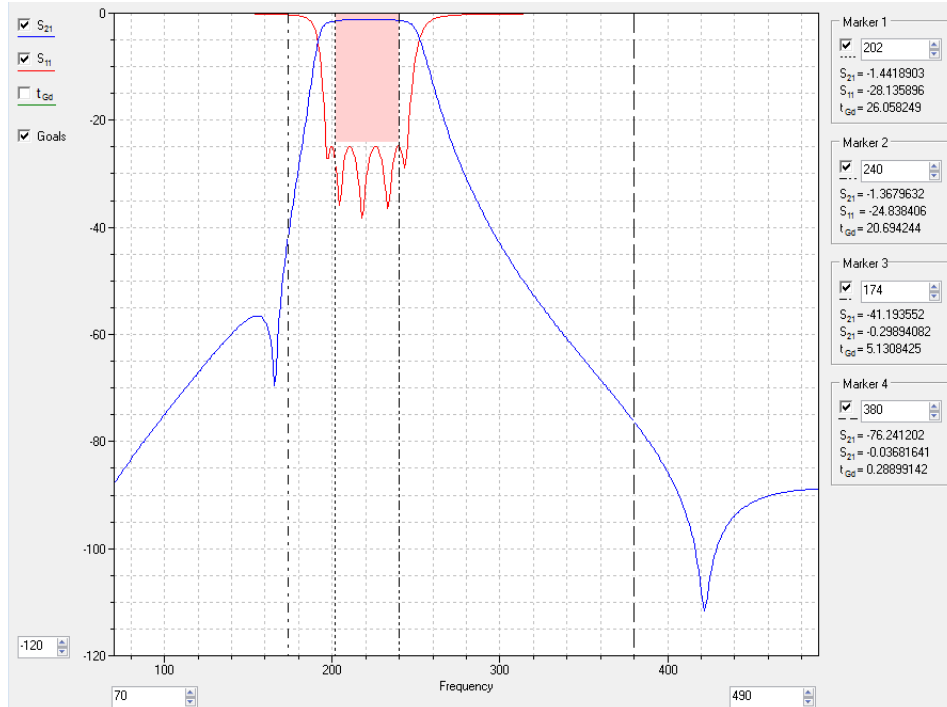


Figure 2 The simulation curve of JX-LCF-227.5-25

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