

Technical proposal for JX-LCF1-440.175-50S LC Filter

Revision History

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JING XIN MICROWAVE TECHNOLOGY CO.,LTD

E-mail: sales@cdjx-mw.com Web: <http://www.cdjx-mw.com>

TEL: +86-28-85026087 FAX: +86-28-65941390 Zip Code:610045

Add: No.65,West 1st Wu Ke Road, Wu Hou District, Cheng Du City, Si Chuan Province, China.

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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

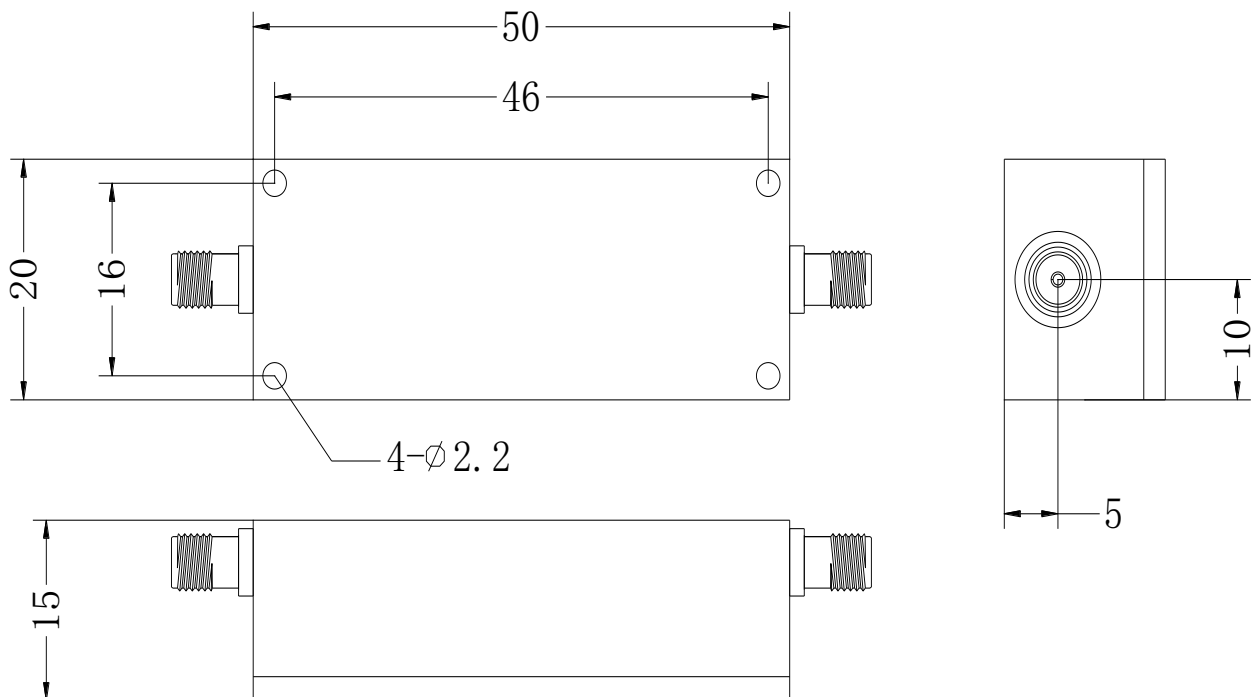


Figure 1 JX-LCF1-440.175-50S front panel layout

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2. Electrical specifications

Table 2 Electrical specifications

Item	Parameter	Spec
1	Frequency range	440.175MHz
2	Return loss (Normal Temp)	≥17dB
	Return loss (Full Temp)	≥17dB
3	Max insertion loss (Normal Temp)	≤2.2dB
	Max insertion loss (Full Temp)	≤2.2dB
4	Rejections (Full Temp)	≥50dB@380-385MHz
5	Impedance all ports	50Ohm
6	Operating Temperature	-40°C~+70°C
7	Storage Temperature	-55°C~+85°C

3. The simulation curve

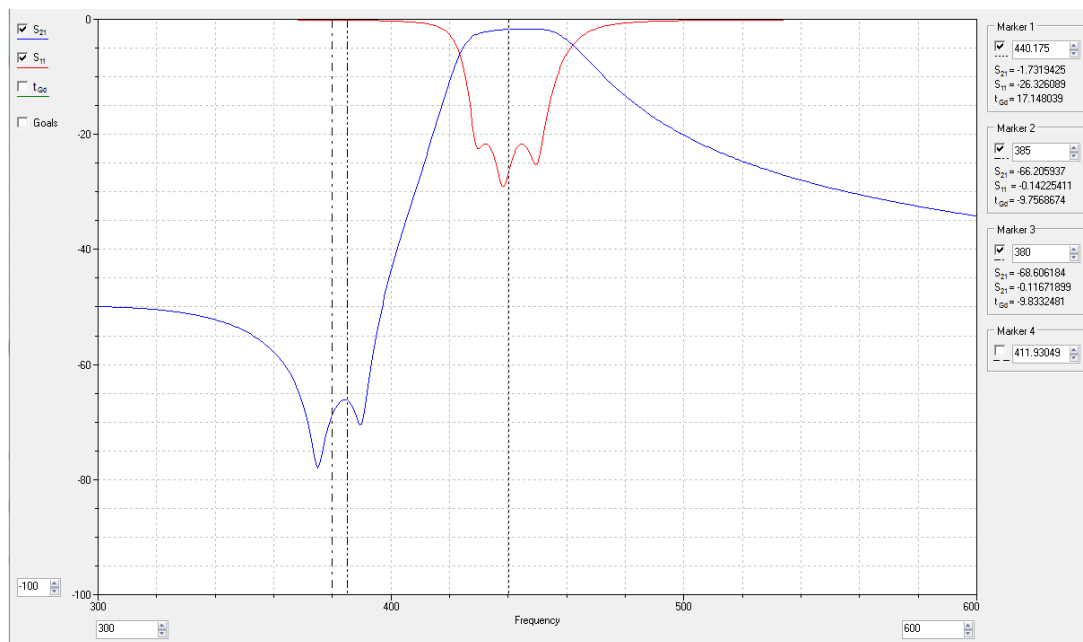


Figure 2 The simulation curve of JX-LCF1-440.175-50S

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