

# Technical proposal for JX-SF1-152174-215N Spiral Filter

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2018/03/19	Lin liqun	Created	/
V1.1	2018/04/02	Lin liqun	Update the Dimension and bandwidth	/
V1.2	2018/08/17	Lee	Update the mechanical layout	/
V1.3	2018/12/18	Lee	Increase mounting thread	Customer request

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## 1. Mechanical layout

Table 1 Mechanical Specifications

Dimension	L x W x H: 228.6mm x 40.4mm x 103.7mm
Connectors	N-Female
Notes	Material shall be RoHS 6/6

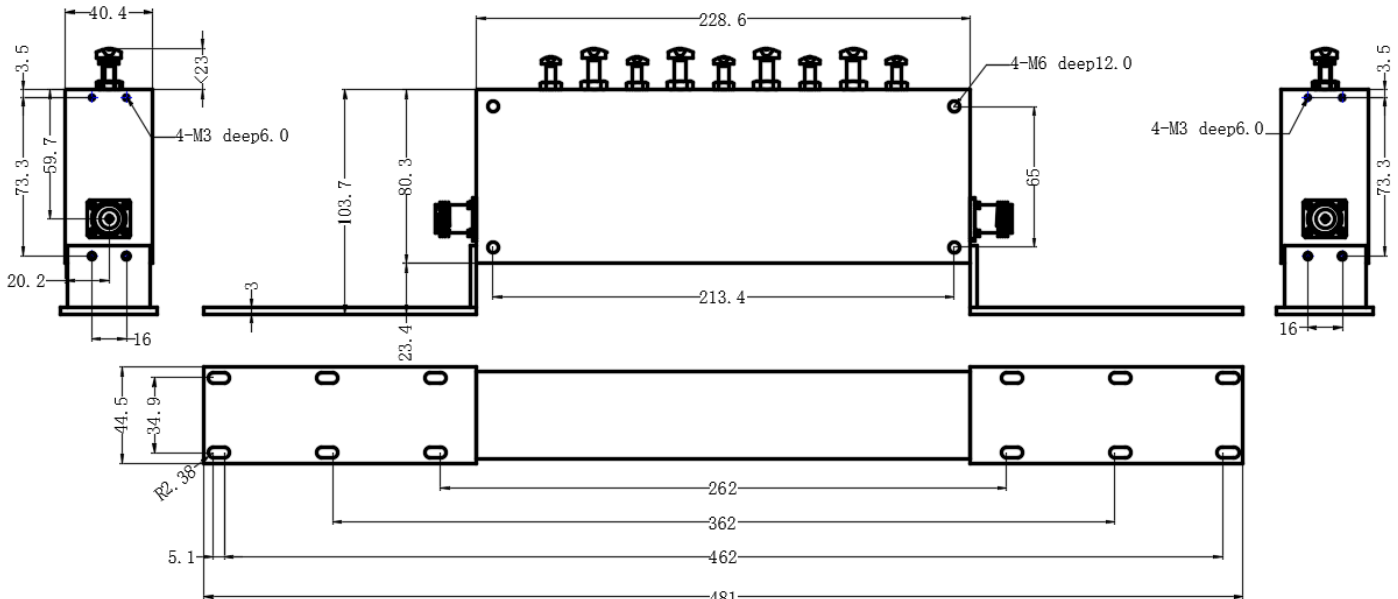


Figure 1 JX-SF1-152174-215N front panel layout

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## 2. Electrical specifications

Table 2 Electrical specifications

Item	Parameter	Spec
1	Frequency Range	152-174MHz
2	Bandwidth	5-15MHz
3	Return loss	≥20dB
4	Max insertion loss	≤2.2dB@2MHz BW
		≤1.6dB@3MHz BW
		≤1.3dB@8MHz BW
		≤0.5dB@15MHz BW
5	Rejections(Side edges 5MHz )	≥60dB@2MHz BW
		≥50dB@3MHz BW
		≥30dB@8MHz BW
		≥10dB@15MHz BW
	Rejections((Side edges 10MHz )	≥90dB@2MHz BW
		≥75dB@3MHz BW
		≥50dB@8MHz BW
		≥25dB@15MHz BW
6	Power input	75W max (Max. Continuous, ≥4MHz BW)
		750W (Max. 500 ns Peak)
7	Rated voltage	1200V(Max. 500 ns Peak)
8	Impedance all ports	50 Ohm
9	Operating Temperature	-30°C~+60°C
10	Storage Temperature	-40°C~+100°C
Note	About the parameter in blue color, it is made out according to the design, but which can not be tested before delivery.	

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