

Technical proposal for JX-BSF1-430M435M-40S Cavity Filter

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/04/26	Lee	Created	/
V1.1	2020/04/29	Lee	Updated the rejection and simulation curve of the filter	Customer request
V1.2	2020/05/06	Lee	Updated the temperature range	Customer request
V1.3	2020/06/10	Lee	Updated the rejection and dimension	Customer request

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2. Electrical analysis

2.1 Electrical specifications

Table 2 Electrical specifications @ JX-BSF1-430M435M-40S

Item	Parameter	Specification
1	Band stop frequency range	430-435MHz
2	Rejection	$\geq 30\text{dB}$ @ 430-435MHz & $\geq 20\text{dB}$ @ 1300-2000MHz
3	Band pass frequency range	10-424MHz & 441-1000MHz
4	Insertion loss	$\leq 2.5\text{dB}$
5	Return loss	$\geq 16\text{dB}$
6	Max power	10W CW
7	Impedance	50Ω
8	Temperature range	-20 to +65°C

2.2 The simulation curve

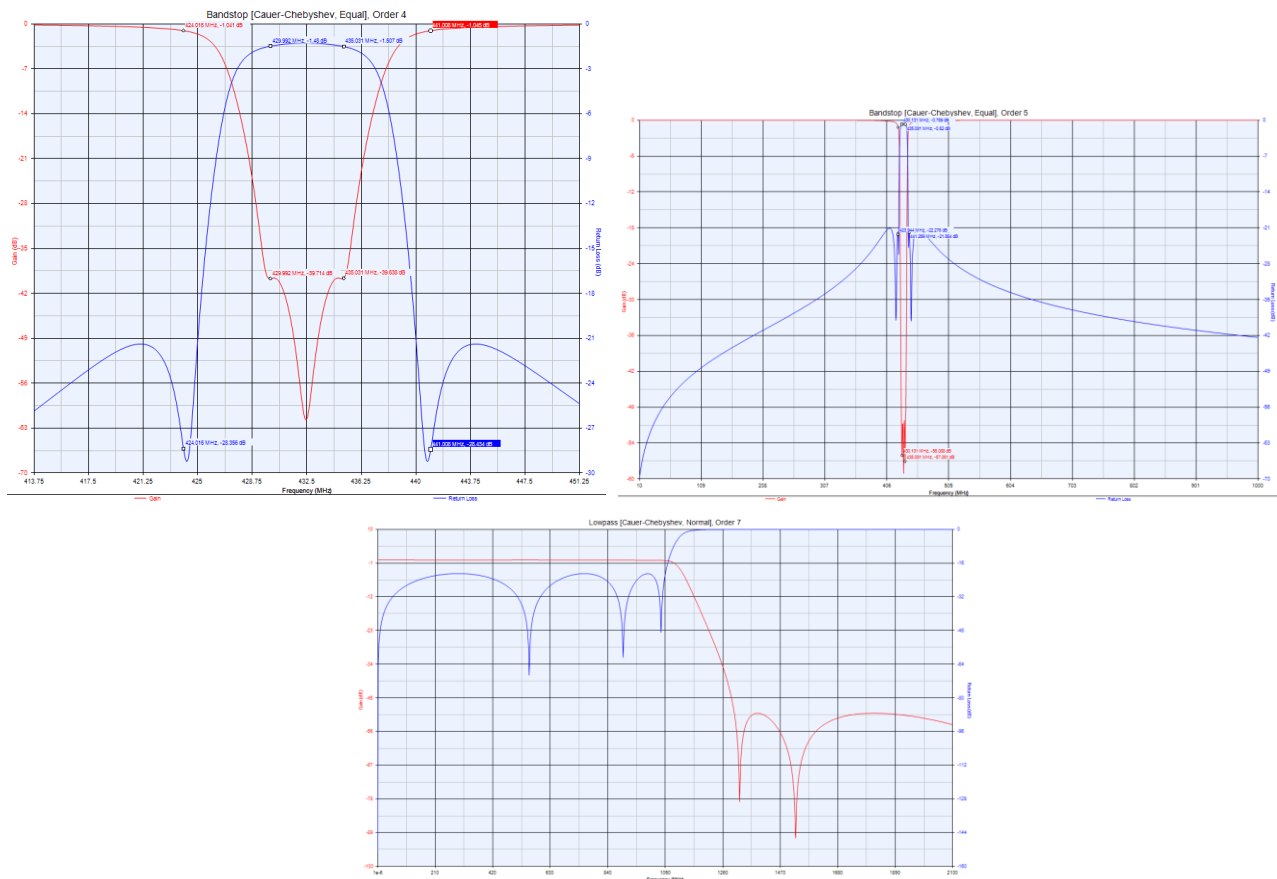


Figure 2 The simulation curve of the filter

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