

DATASHEET

CUSTOMER	
PRODUCT NAME	Dielectric Band Pass Filter
PART NO.	SF-5240M1-CJ3
SPEC. NO.	SF-5240M1-CJ3_Rev1
MODEL	
DATE	16-OCT-2018

APPROVAL		
PREPARE	CHECK	APPROVAL
DATE:		



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PRODUCT	Dielectric Band Pass Filter	PART No.	SF-5240M1-CJ3	REV.	1.0
MODEL		DATE	2018. 10. 16	PAGE	2 / 5

History

Version	Date	Description	Prepared	Checked	Approved
V1	2018. 10. 16	- Issued Datasheet	김영호	김남준	김성욱

PRODUCT	Dielectric Band Pass Filter	PART No.	SF-5240M1-CJ3	REV.	1.0
MODEL		DATE	2018. 10. 16	PAGE	3 / 5

--- CONTENTS ---

1	Applications		4
2	Specifications		4
3	Dimensions		4~5
4	Measured Plot Data		5

PRODUCT	Dielectric Band Pass Filter	PART No.	SF-5240M1-CJ3	REV.	1.0
MODEL		DATE	2018. 10. 16	PAGE	4 / 5

1. Applications

* Dielectric Band Pass Filter

2. Specifications

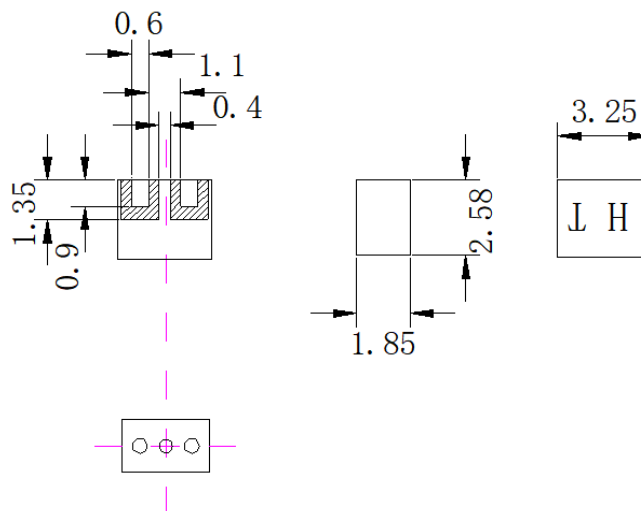
TABLE 1

Item	Unit	Specifications	Remark
Center Frequency (Fo)	MHz	5240	
Band Width (BW)	MHz	Fo ± 100 (5140~5340)	
Insertion Loss @ BW (25°C)	dB	1.5 max.	
Insertion Loss @ BW (0°C~70°C)	dB	2.1 max.	
RIPPLE @ BW	dB	1.5 max	
Return Loss @ BW	dB	10 min	
STOP-BAND Attenuation	dB	25 min. at 2400~2700 MHz	
		19 min. at 5480~5860 MHz (25°C)	
		17 min. at 5480~5860 MHz (0°C~70°C)	
Impedance (Zo)	Ω	50	
Input Power	W	1.0 max.	
Operating Temperature	°C	-40 to +85	

STOP-BAND Attenuation specifies the absolute value of attenuation

3. Dimensions

3-1 SHAPE AND DIMENSION



Dimension in mm

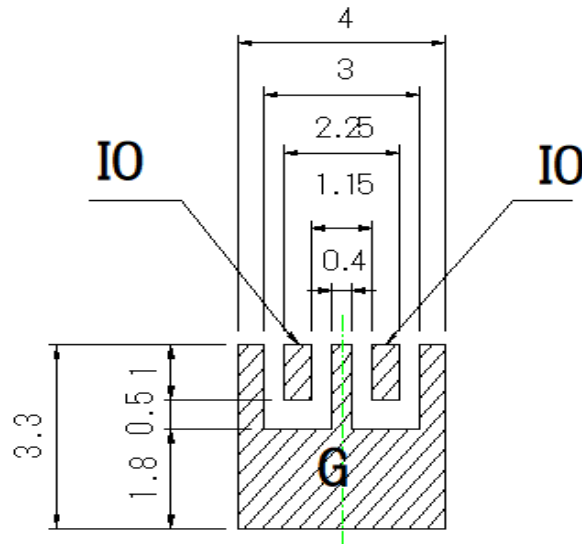
Tolerance: ±0.2

PRODUCT	Dielectric Band Pass Filter	PART No.	SF-5240M1-CJ3	REV.	1.0
MODEL		DATE	2018. 10. 16	PAGE	5 / 5

3-2 PCB RECOMMENDED PATTERN FOR FILTER

Note: Test PCB material: Rogers 3.38, 0.5mm.

Note: the best layout goes away PCB edge.



 Soder pads: I/O Pads must be connected to lines with 50Ω impedance.
In the application a termination of 50Ω must be realized.

4. Measured Plot Data

Pass Band

