

06/Nov/2019

PRODUCT SPECIFICATION FOR INFORMATION

● Product Name : BAW BAND PASS FILTER

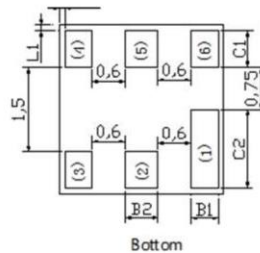
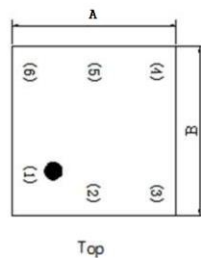
● Part No : MBP-C1230_130MB

PRELIMINARY SPECIFICATION

Electrical Specification

N.O	Parameter	Requirement	Comply / Partly comply / Not comply	Remark
1	Center Frequency[fo]	1230MHz	Comply	
2	Bandwidth [1dB BW]	fo±65MHz[1165~1295]min.	Comply	
3	Insertion Loss @ fo	3.5dB max.	Comply	
4	Ripple in BW	2.0dB max.	Comply	
5	VSWR	2:1 max.	Comply	
6	Attenuation [Absolute Value]	23dB min.@400~1050MHz	Comply	
		23dB min.@1400~2000MHz	Comply	
7	In/Out Impedance	50 Ω	Comply	
8	Operation Temperature Range	-55℃ to +85℃	Comply	
9	Dimensions	3x3mm	Comply	
10	Mount Type	SMD package	Comply	

Package



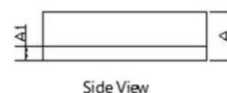
Symbol	DIMENSION REQUIREMENT		
	MIN	NOM	MAX
A	0.65	0.75	0.85
A1	0.17	0.20	0.23
B	2.90	3.00	3.10
B1	0.45	0.50	0.55
B2	0.55	0.60	0.65
C	2.90	3.00	3.10
C1	0.60	0.65	0.70
C2	1.35	1.40	1.45
L1	0.00	0.10	0.20
L2	0.00	0.10	0.20

Notes:

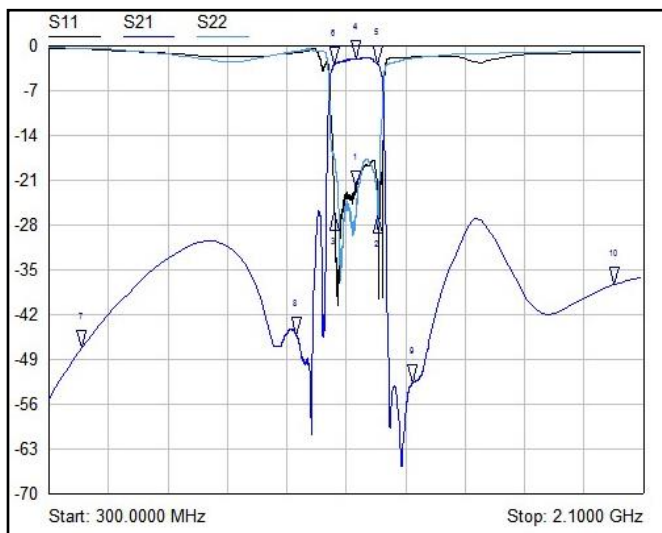
- 1: Dimension: mm
- 2: Dimensions nominal unless otherwise noted
- 3: Contact area are gold plated

Pin connection:

- 2: Input
- 5: Output
- 1,3,4,6: Ground



SIMULAITON CURVES



Mkr	Trace	X-Axis	Value
1	S11	1.2300 GHz	-22.30 dB
2	S11	1.2950 GHz	-26.46 dB
3	S11	1.1650 GHz	-26.03 dB
4	S21	1.2300 GHz	-2.04 dB
5	S21	1.2950 GHz	-2.80 dB
6	S21	1.1650 GHz	-2.90 dB
7	S21	400.0000 MHz	-47.24 dB
8	S21	1.0500 GHz	-45.32 dB
9	S21	1.4000 GHz	-52.72 dB
10	S21	2.0100 GHz	-37.32 dB