LBPF4000-3216

Multilayer Band Pass Filter

Features

- Multilayer monolithic construction yields high reliability
- Low insertion loss and small size SMD chip design
- Can simplify your complex tuning and circuit design
- LTCC process

Specifications

NO.	Parameter		SPC
1	Frequency (MHz)		3700~4300
2	Insertion Loss (dB)@25℃		≤2.5
3	VSWR(In BW)		≤1.8
4	Ripple		≤1.0 dB
5	Attenuation	3000MHz	≥40 dB
		5100MHz	≥40 dB
6	In/Output Impedance (Ω)		50

Operating & Storage Condition (Component)

Operation Temperature Range: -40℃ ~ +85℃

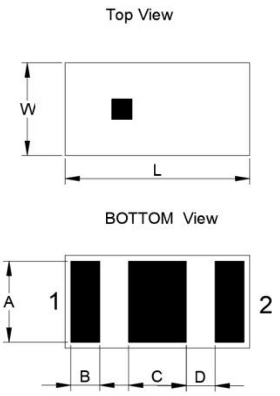
Storage Temperature Range: -40℃~ +85℃

Storage Condition before Soldering (Included packaging material)

Storage Temperature Range: +5 ~ +40 ℃

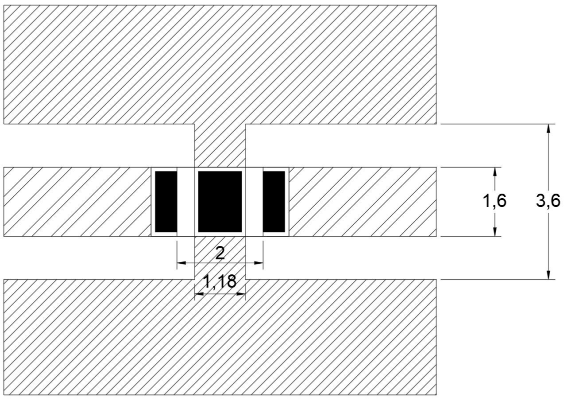
Humidity: 30 to 70% relative humidity

Construction



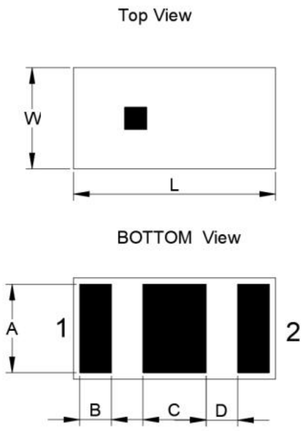
PIN	Connection
1	Input Port
2	Output Port

Mounting Considerations

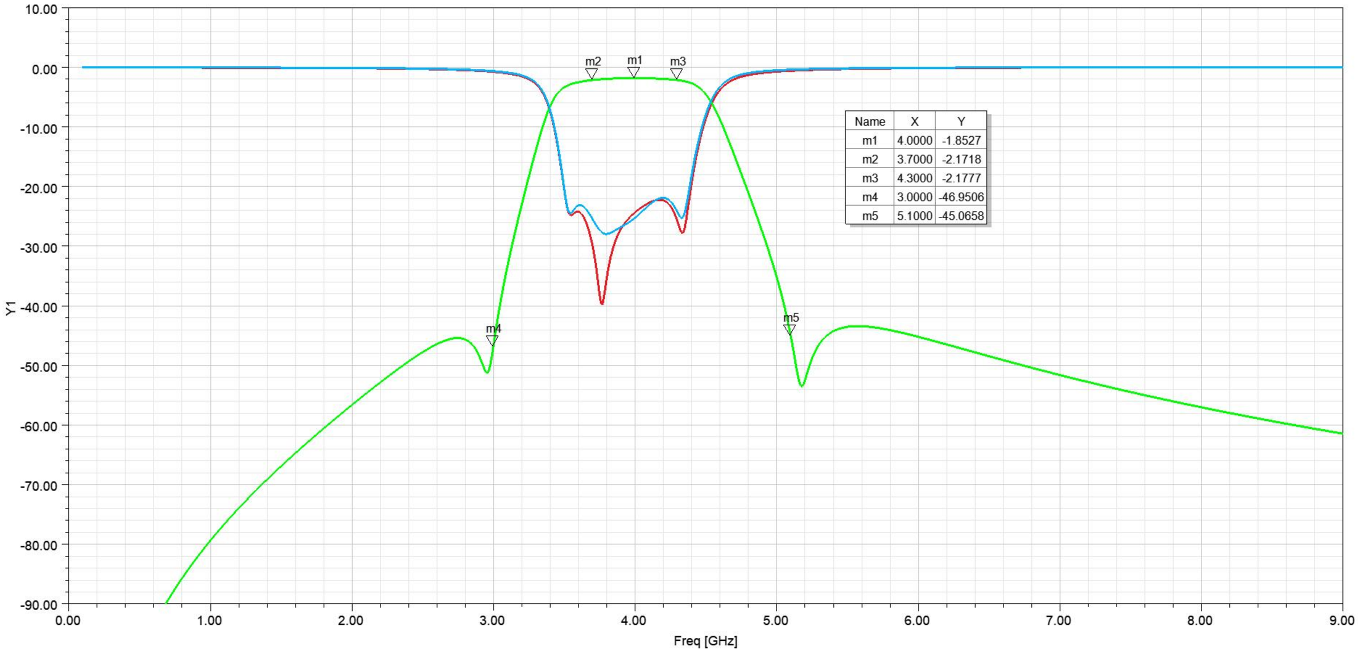


Unit: mm

Dimensions

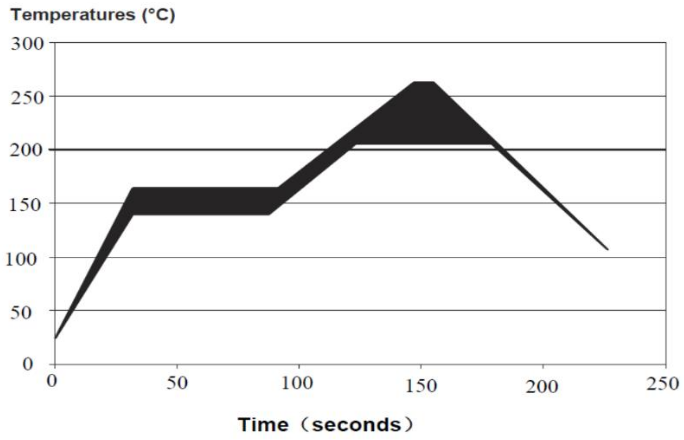
Figure	Symbol	Dimension (mm)
	L	3.20 ± 0.20
	W	1.60 ± 0.20
	T	0.94± 0.20
	A	1.40± 0.10
	B	0.50 ± 0.10
	C	1.00± 0.10
	D	0.50 ± 0.10

Typical Electrical Characteristics (T=25°C)



Name	X	Y
m1	4.0000	-1.8527
m2	3.7000	-2.1718
m3	4.3000	-2.1777
m4	3.0000	-46.9506
m5	5.1000	-45.0658

Solder Reflow Standard Conditioning



Storage Conditions

Temperature : +5 to +30 ℃

Humidity : 20 to 70% RH

Term of storage : Within 12 months (After the delivery) *

Baking : Unnecessary

*** After peeling off cover tape, do not keep exposing the products to the open air. For the products stored longer than 12 months, confirm their terminals and solderability before use.**