LBPF1900-4832

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)		1400-2400
2	Insertion Loss (dB) @25℃	1400-2400MHz	≤3.0
3	Ripple (dB)	1400-2400MHz	≤1.7
4	Attenuation (dB)	DC-1080MHz	≥50
		2670-2800MHz	≥45
		2800-5000MHz	≥49
5	VSWR		≤1.8
6	In/Output Impedance (Ω)		50
7	Power		2W

Operating & Storage Condition (Component)

Operation Temperature Range: -40℃ ~ +85℃

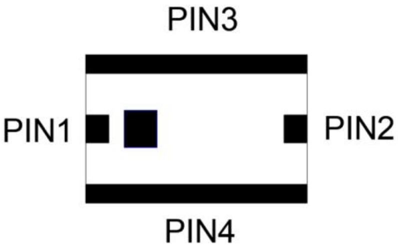
Storage Temperature Range: -40℃~ +85℃

Storage Condition before Soldering (Included packaging material)

Storage Temperature Range: +5 ~ +40 ℃

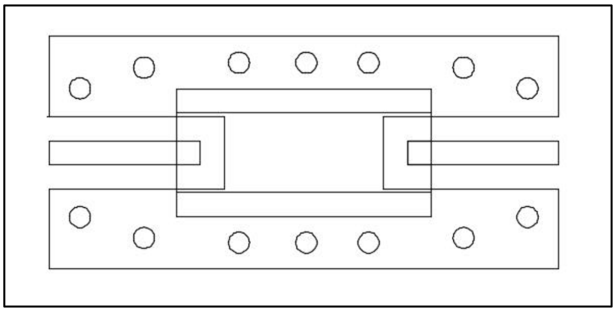
Humidity: 30 to 70% relative humidity

Construction

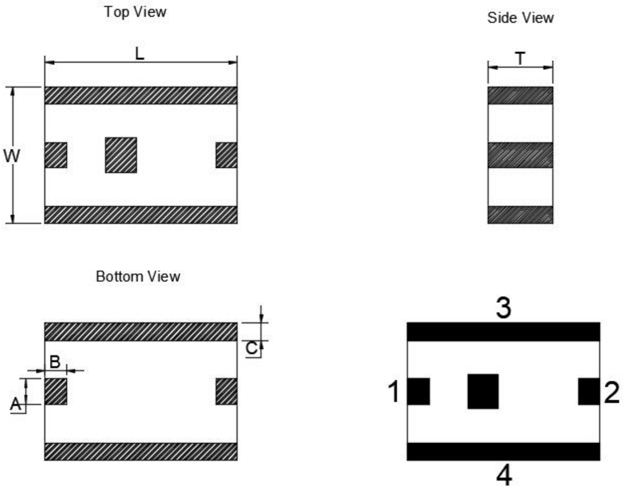


PIN	Connection
1	Input Port
2	Output Port
3	GND
4	GND

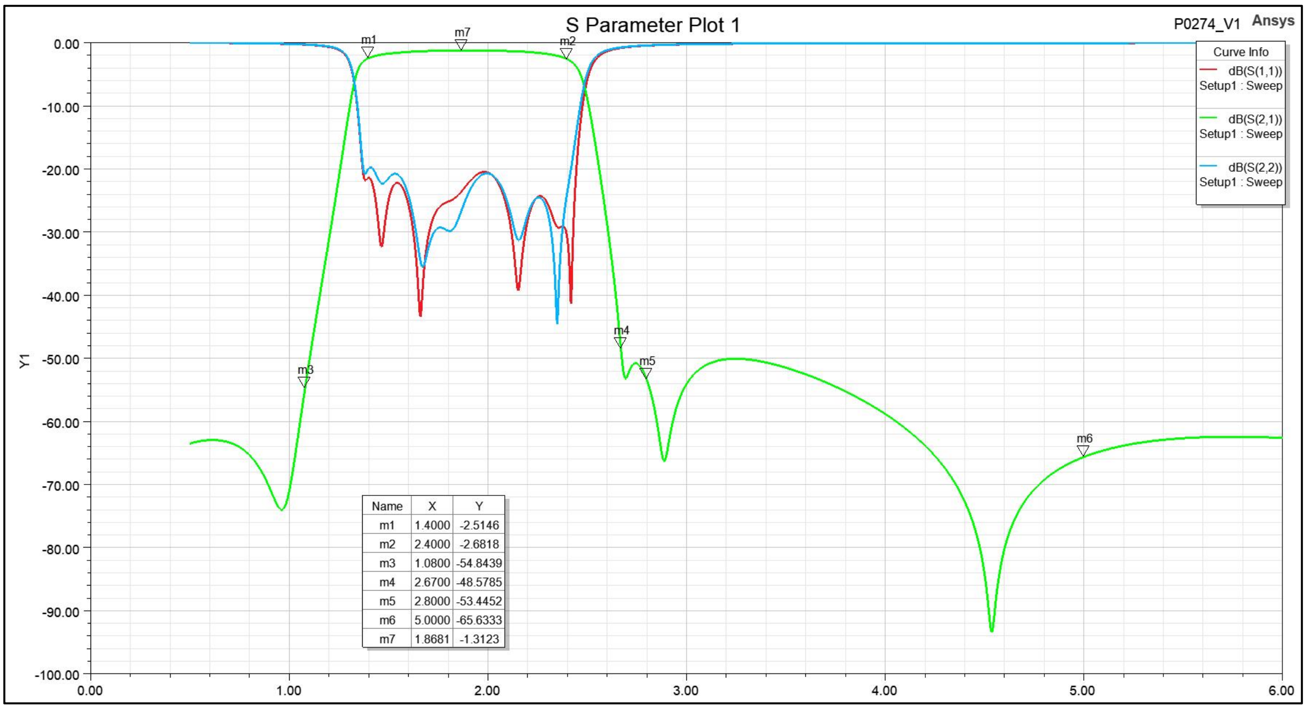
Mounting Considerations



Dimensions

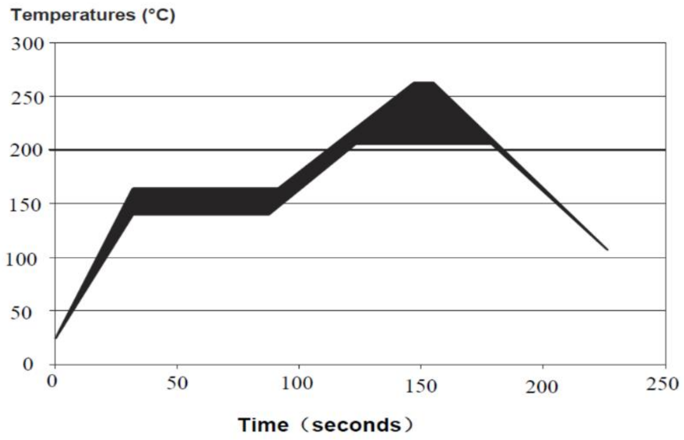
Figure	Symbol	Dimension (mm)
	L	4.80 ± 0.20
	W	3.20 ± 0.20
	T	1.20± 0.20
	A	0.60± 0.10
	B	0.40 ± 0.10
	C	0.40± 0.10

Typical Electrical Characteristics (T=25°C)



Name	X	Y
m1	1.4000	-2.5146
m2	2.4000	-2.6818
m3	1.0800	-54.8439
m4	2.6700	-48.5785
m5	2.8000	-53.4452
m6	5.0000	-65.6333
m7	1.8681	-1.3123

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.**