LBPF1050-5032

Multilayer Band Pass Filter

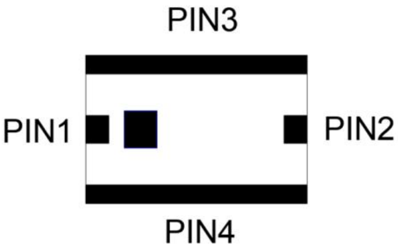
Features

- 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

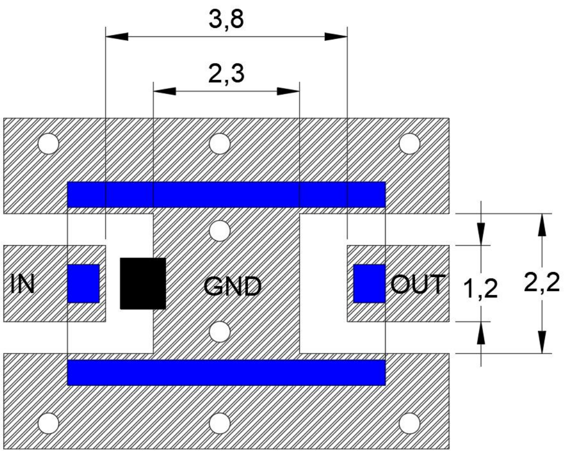
NO.	Parameter	Frequency (MHz)	SPEC	
			Min.	Max.
1	Insertion Loss (dB)	800~1300		3.0
2	Ripple (dB)	800~1300		2.0
2	Attenuation (dBc)	DC~600	35	
		1500~6000	40	
3	VSWR	800~1300		2.0
6	In/Output Impedance (Ω)	50		

Construction



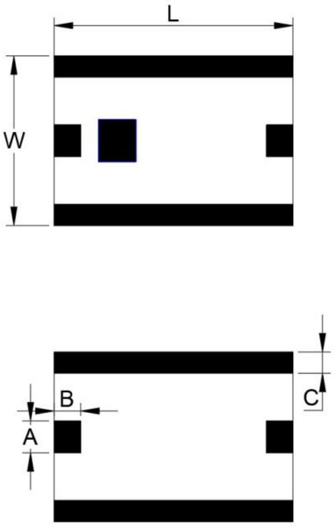
PIN	Connection
1	Input Port
2	Output Port
3	GND
4	GND

Mounting Considerations

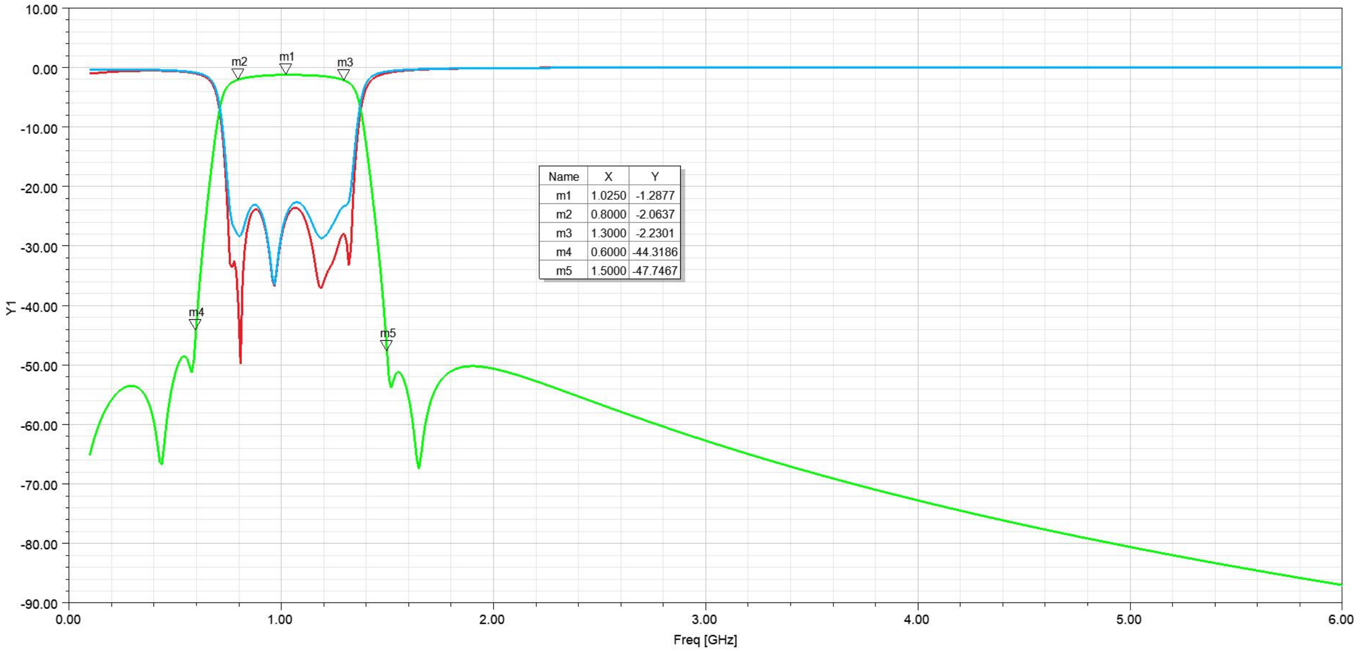


Unit: mm
Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness

Dimensions

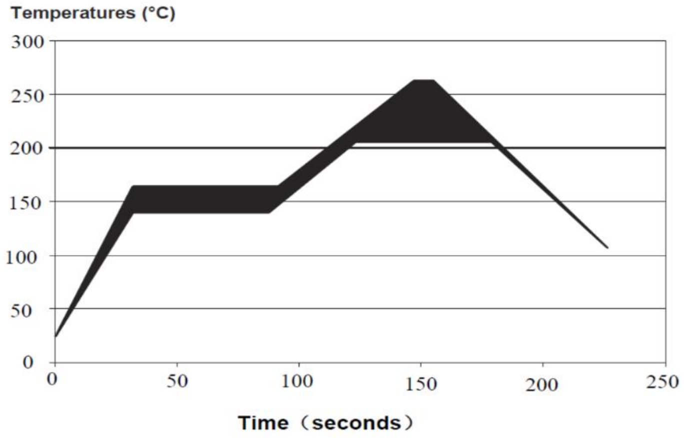
Figure	Symbol	Dimension (mm)
	L	5.00±0.20
	W	3.20±0.20
	T	1.50±0.20
	A	0.60±0.10
	B	0.40±0.10
	C	0.40±0.10

Typical Electrical Characteristics (T=25°C)



Name	X	Y
m1	1.0250	-1.2877
m2	0.8000	-2.0637
m3	1.3000	-2.2301
m4	0.6000	-44.3186
m5	1.5000	-47.7467

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.**