LBPF1800-4832

Multilayer Band Pass Filter

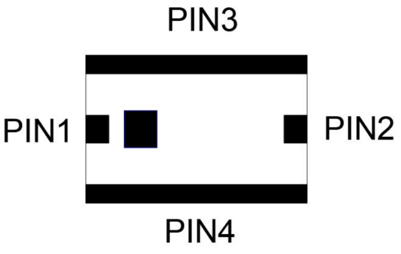
Features

- 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

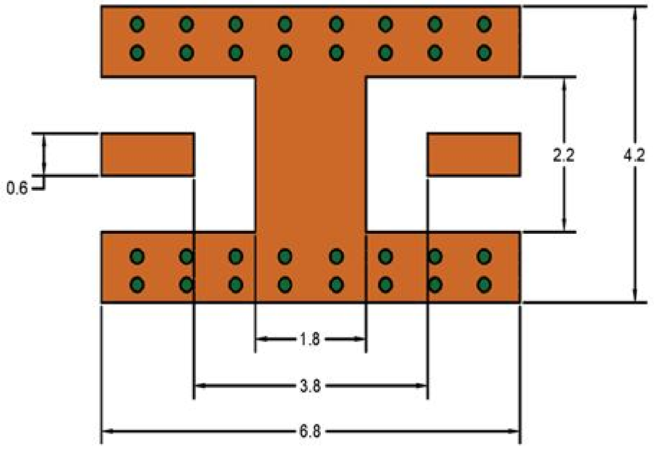
NO.	Parameter	Frequency (MHz)	SPEC		
			Min.	Typ.	Max.
1	Insertion Loss (dB)	1300~2300			3.0
2	-1.2 dB Bw (MHz)		1000		
3	VSWR				2.0
4	Attenuation (dB)	1100	25		
		2500	25		
5	In/Output Impedance (Ω)		50		
Operating & Storage Condition (Component) Operation Temperature Range: -40℃ ~ +85℃ Storage Temperature Range: -40℃~ +85℃					
Storage Condition before Soldering (Included packaging material) Storage Temperature Range: +5 ~ +40 ℃ Humidity: 30 to 70% relative humidity					

Construction



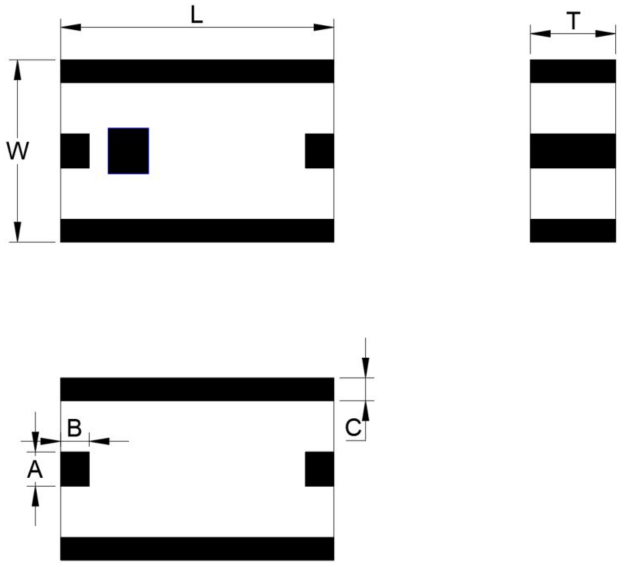
PIN	Connection
1	Input Port
2	Output Port
3	GND
4	GND

Mounting Considerations

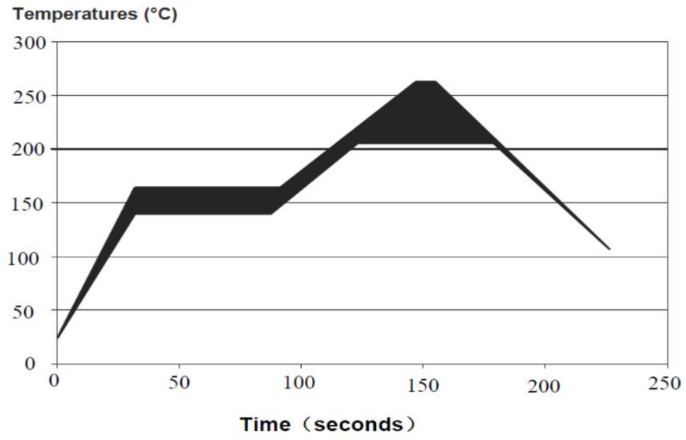


Unit: mm
Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness

Dimensions

Figure	Symbol	Dimension (mm)
	L	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	0.4±0.10

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.**