LBPF7240-2012

Multilayer Band Pass Filter

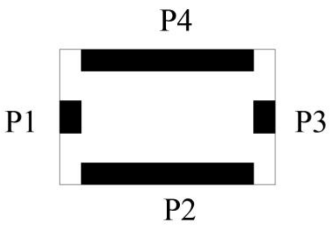
Features

- ● 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

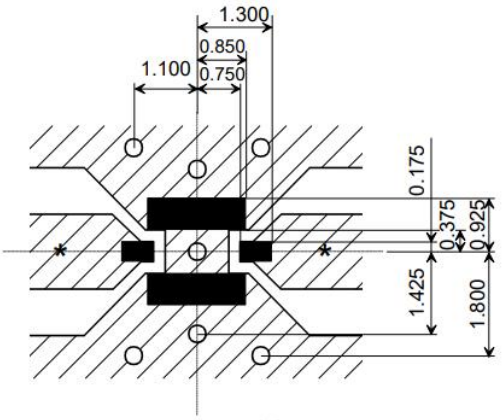
NO.	Parameter	SPC
1	Frequency range	6240-8240 MHz
2	Insertion Loss	2.0dB max. at +25℃ 2.3dB max. at -40~+85℃
3	Attenuation	30 dB min. @ 698-2200 MHz 30 dB min. @ 2300-3800 MHz 19 dB min. @ 5150-5470 MHz 3 dB min. @ 5470-5725 MHz 17 dB min. @ 12500-16500 MHz 6 dB min. @ 18700-20000 MHz
4	VSWR (In BW)	2.21 max.
5	Port Impedance	50Ω
6	Power	0.5W max.
7	Operation Temperature Range	-40℃ ~ +85℃

Construction



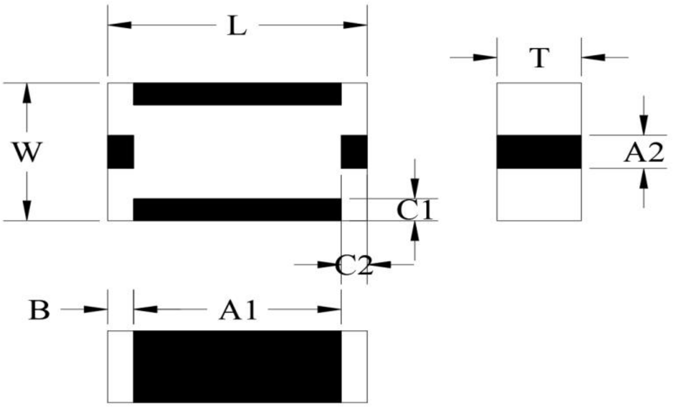
PIN	Connection
1	Input port
2	GND
3	Output port
4	GND

Mounting Considerations

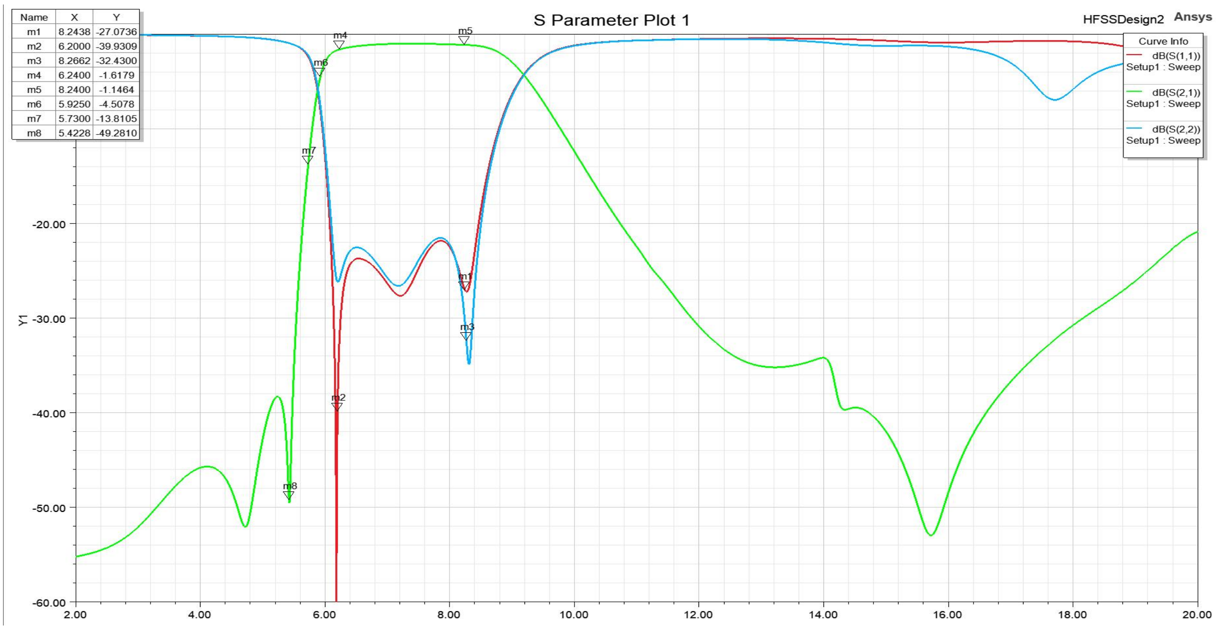


Unit: mm
Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness

Dimensions

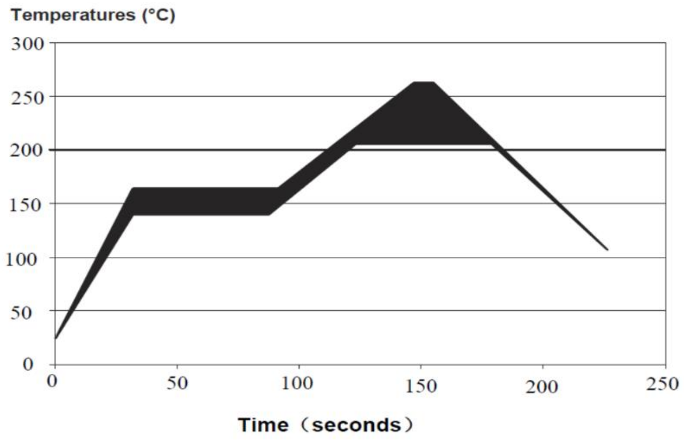
Figure	Symbol	Dimension (mm)
	L	2.0 ± 0.10
	W	1.25 ± 0.10
	T	0.7MAX
	A1	1.5± 0.10
	A2	0.3 ± 0.10
	B	0.25 ± 0.10
	C1	0.2 ± 0.10
	C2	0.2 ± 0.10

Typical Electrical Characteristics (T=25°C)



Name	X	Y
m1	8.2438	-27.0736
m2	6.2000	-39.9309
m3	8.2662	-32.4300
m4	6.2400	-1.6179
m5	8.2400	-1.1464
m6	5.9250	-4.5078
m7	5.7300	-13.8105
m8	5.4228	-49.2810

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.**