Yantel®

LBPF6025-6025

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

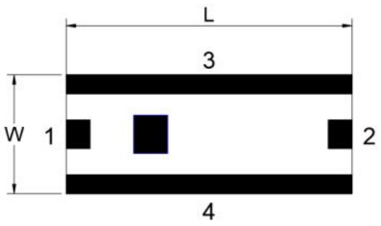
Specifications

NO.	Parameter		SPEC
1	Frequency (MHz)		5850~6200
2	Insertion Loss (dB) @25℃		≤3.0
3	VSWR(In BW)		≤2.5
4	Attenuation(dB)	5300MHz	≥35
		6700MHz	≥20
5	In/Output Impedance (Ω)		50
6	Power		5W

Operating & Storage Condition (Component)
Operation Temperature Range: -40℃ ~ +85℃
Storage Temperature Range: -40℃~ +85℃

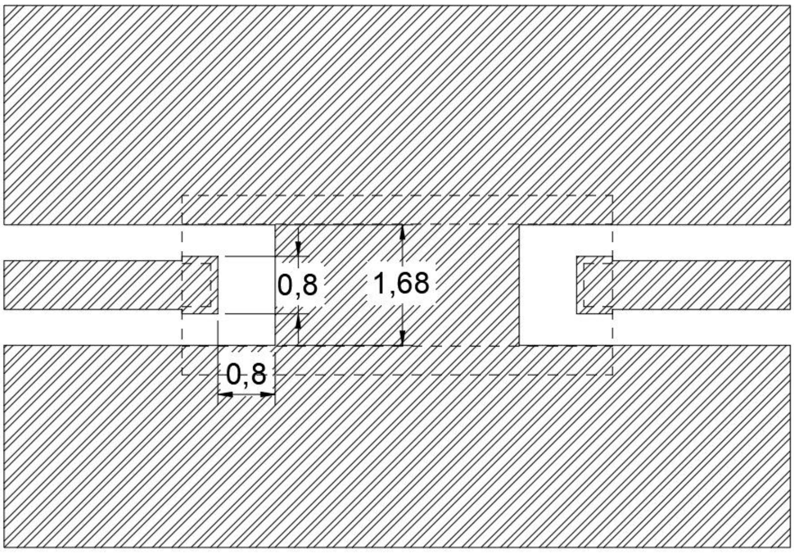
Storage Condition before Soldering (Included packaging material)
Storage Temperature Range: +5 ~ +40 ℃
Humidity: 30 to 70% relative humidity

Construction



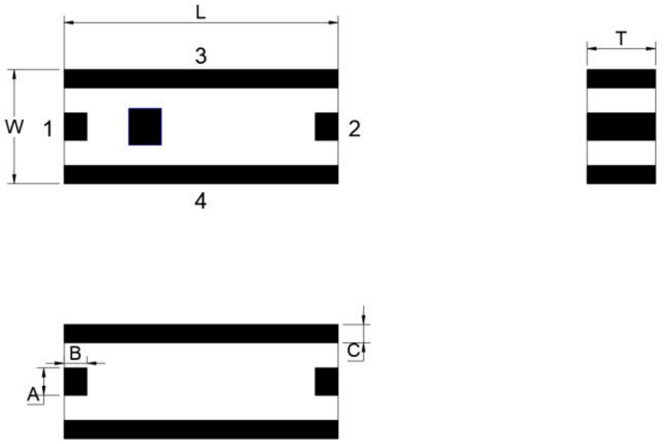
PIN	Connection
1	Input Port
2	Output Port
3	GND
4	GND

Mounting Considerations

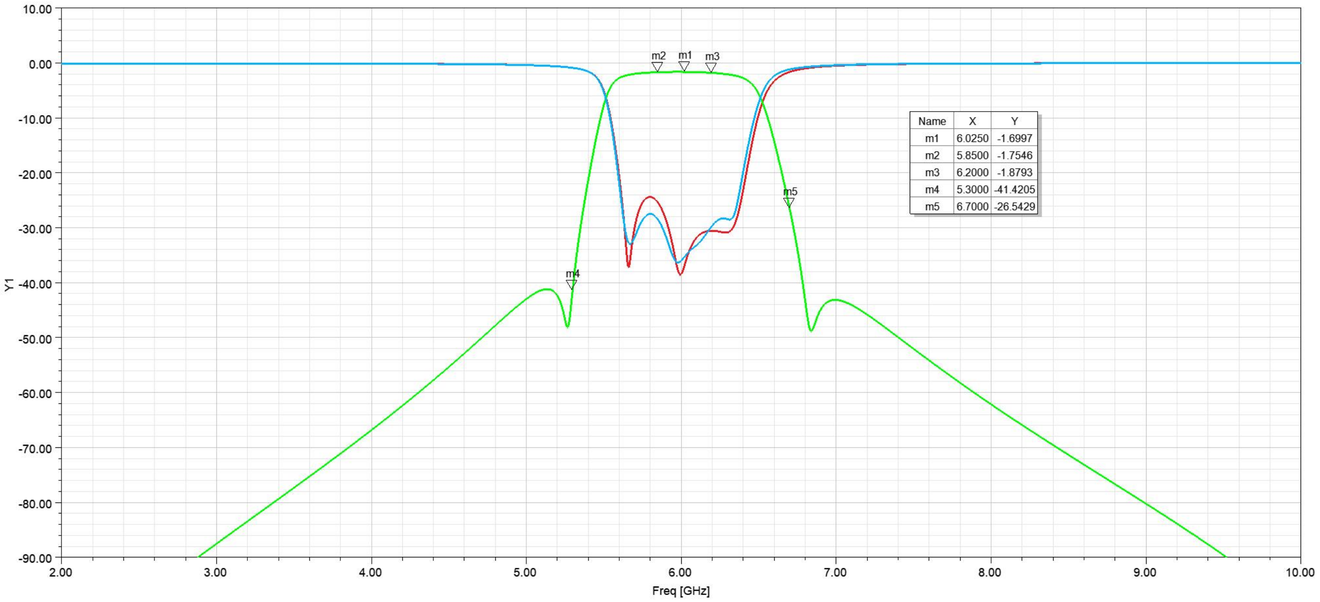


Unit: mm

Dimensions

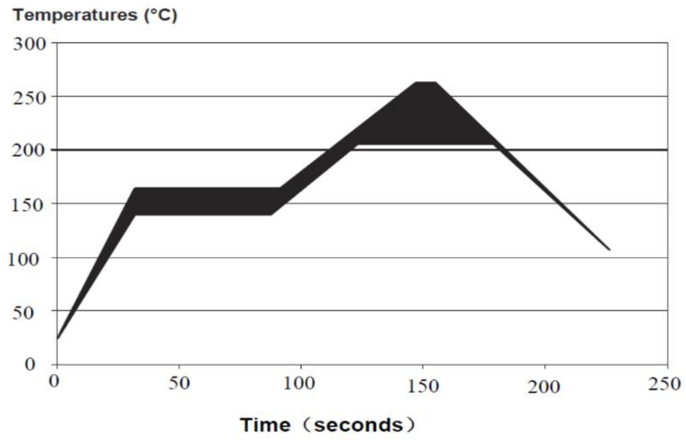
Figure	Symbol	Dimension (mm)
	L	6.00 ± 0.20
	W	2.50 ± 0.20
	T	2.00MAX
	A	0.60± 0.10
	B	0.40 ± 0.10
	C	0.40± 0.10

Typical Electrical Characteristics (T=25°C)



Name	X	Y
m1	6.0250	-1.6997
m2	5.8500	-1.7546
m3	6.2000	-1.8793
m4	5.3000	-41.4205
m5	6.7000	-26.5429

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.**