

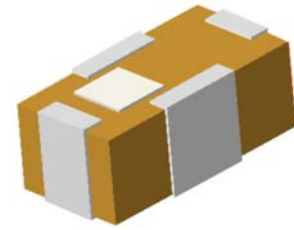
2.4GHz 1608 Band Pass Filter: LBP1608R2400L204

Applications:

WLAN, 802.11b/g, Bluetooth, ISM Band...

Features

SMD, high reliability, ultra-Impact...



Part number

LBF 1608 R 2400 L2 04
(1) (2) (3) (4) (5) (6)

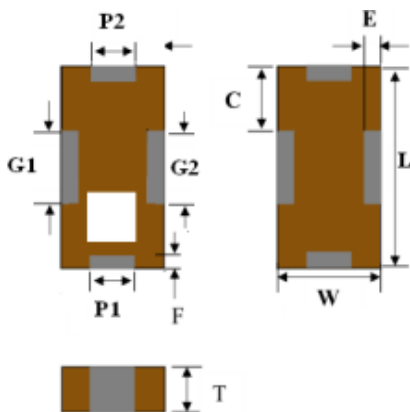
(1) Product code	LTCC-BPF
(2) Size Code	1.6x0.8mm
(3) Packing	Tape and reel
(4) Frequency	2.4GHz
(5) Series	L2
(6) Type	04

Electrical Specification

Pass Band	2400~2500MHz
Impedance	50 Ohm
Insertion Loss	1.5dB max. @ 25°C
Attenuation	25dB min. @4880~5400 MHz 25dB min. @7200~8100 MHz
VSWR	2.0 max.
Ripple	0.50dB
Operating Temperature	-40 ~ +85 °C

The specification is defined on EVB.

Dimension and Terminal Configuration

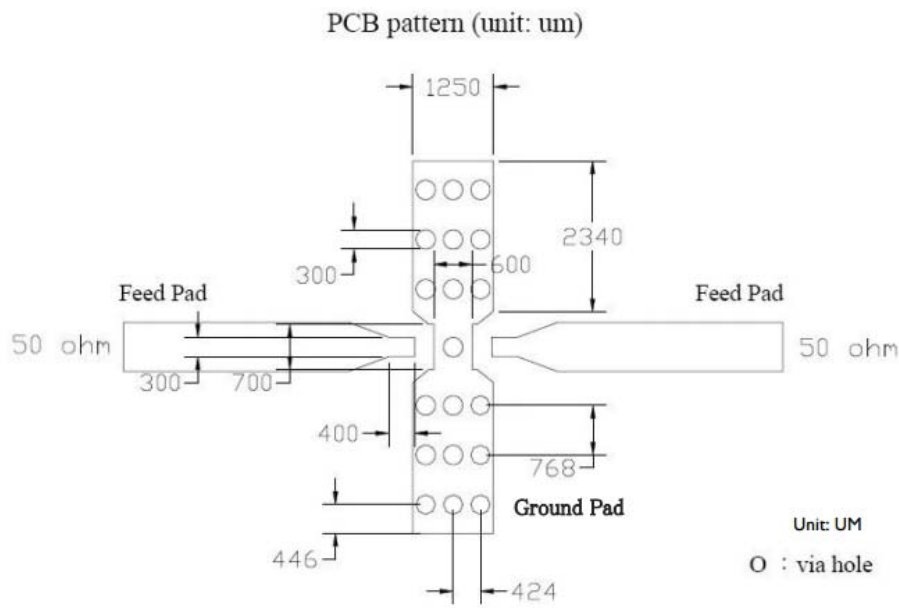


Dimension (mm)	
L	1.60±0.15
W	0.80±0.15
T	0.60±0.15
P	0.40 ±0.15
C	0.55 ±0.15
G	0.60 ±0.15
E	0.15 ±0.10
F	0.15 ±0.10

No.	Terminal Name
P1	Input
P2	Output
G1	Ground
G2	Ground

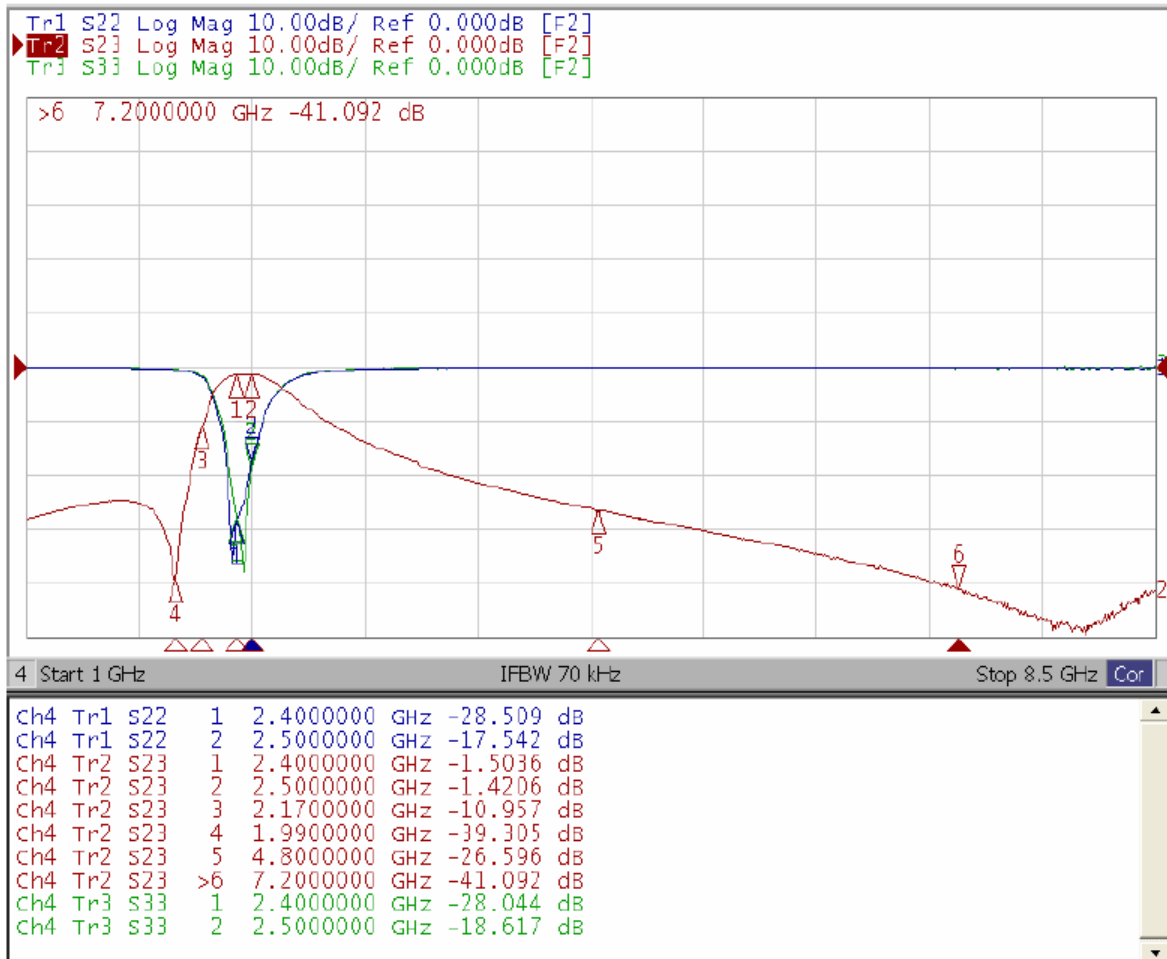
*P.S : Symmetrical,
No direction*

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—Fig. 2 Reference design of evaluation board

Electrical Characteristics

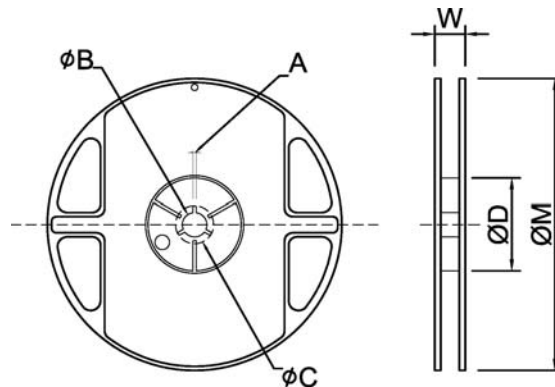


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Taping Specifications

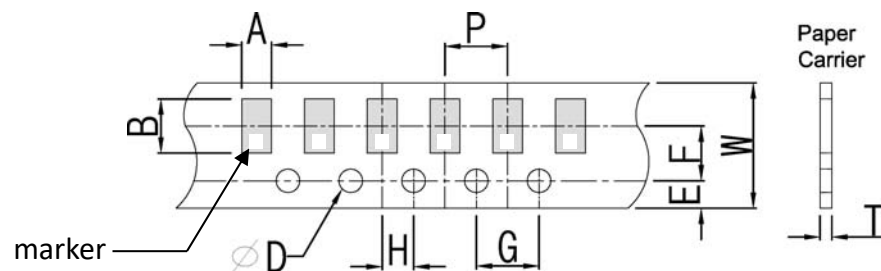
Reel and Taping Specification

Reel Specification



TYPE	SIZE		A	ψB	ψC	ψD	W	ψM
1608	7"	4K/Reel	2.0 ± 0.5	13.5 ± 1.0	21 ± 1.0	60 ± 1.0	11.5 ± 2.0	178 ± 2.0

Taping Specification

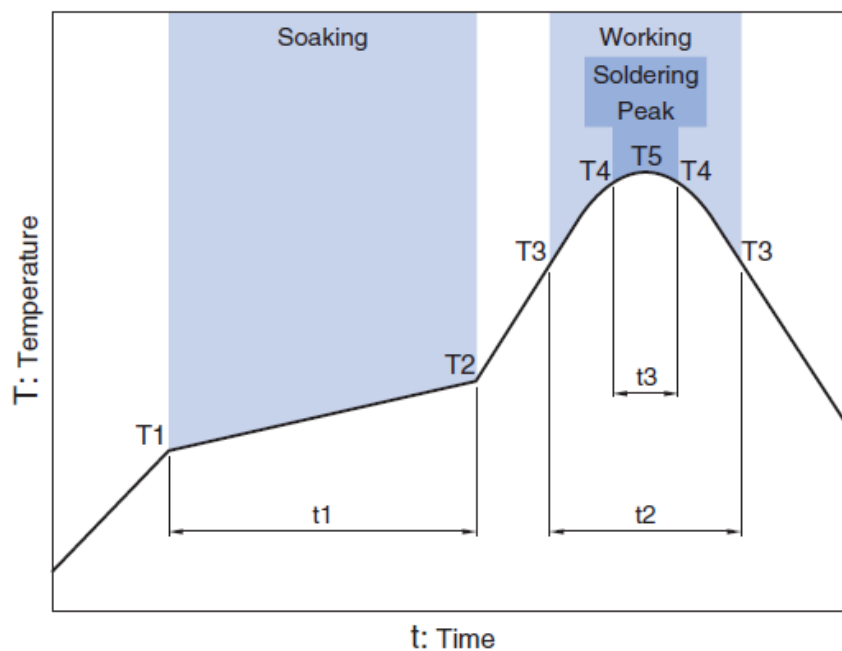


Packaging	Type	A	B	W	E	F	G	H	T	ψD	P
Paper Type	1608	1.40 ± 0.20	2.20 ± 0.20	8.0 ± 0.20	1.75 ± 0.10	3.0 ± 0.05	4.0 ± 0.10	2.0 ± 0.05	0.75 ± 0.10	$1.50^{+0.10}_{-0}$	4.0 ± 0.1

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Recommended Reflow Profile

Pb free solder



Soaking			Working		Soldering		Peak
Temp.		Time	Temp.	Time	Temp.	Time	Temp.
T1	T2	t1	T3	t2	T4	t3	T5
150°C	180°C	60 to 120sec	230°C	more than 30sec	247 to 253°C	within 10sec	260°C Max.

Revision History

Version	Date	Description
Ver.01	Jul.2023	New issue.