

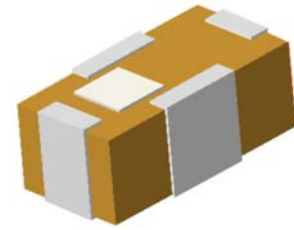
2.4GHz 1608 Band Pass Filter: LBP1608R2400L202

Applications:

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

Features

SMD, high reliability, ultra Impact...



Part number

LBP 1608 R 2400 L2 02
(1) (2) (3) (4) (5) (6)

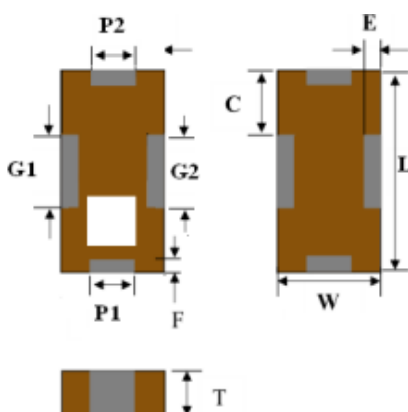
(1) Product Code	LTCC-BPF
(2) Size Code	1.6x0.8mm
(3) Packing	Tape and reel
(4) Frequency	2.4GHz
(5) Series	L2
(6) Type	02

Electrical Specification

Pass Band	2400~2500MHz
Impedance	50 Ohm
Insertion Loss	1.7 dB (Max) at 25°C 2.0 dB (Max) at -40~85 °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

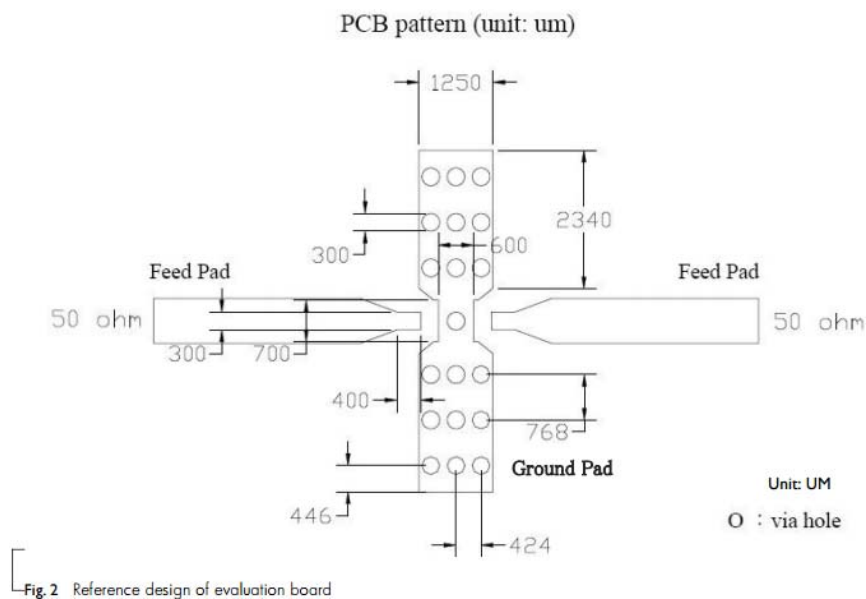


Dimension (mm)	
L	1.60±0.15
W	0.80±0.15
T	0.60±0.15
P	0.40 ±0.15
C	0.55 ±0.15
G	0.60 ±0.15
E	0.15 ±0.10
F	0.15 ±0.10

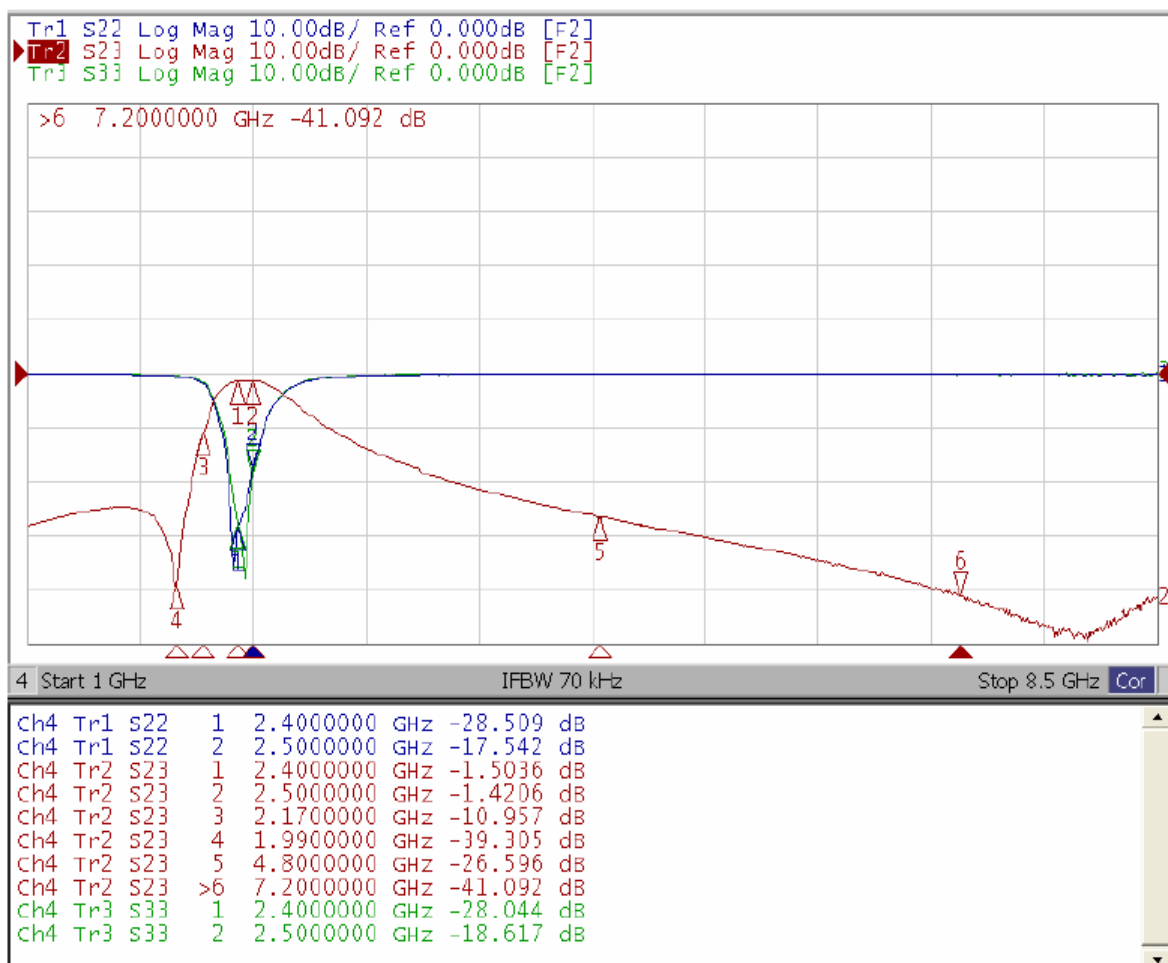
No.	Terminal Name
P1	Input
P2	Output
G1	Ground
G2	Ground

P.S : Symmetrical,
No direction

Evaluation Board Reference



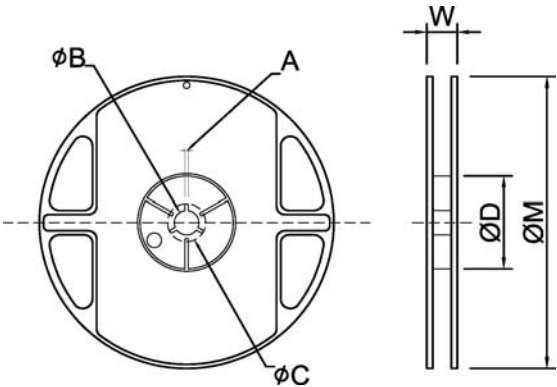
Electrical Characteristics



Taping Specifications

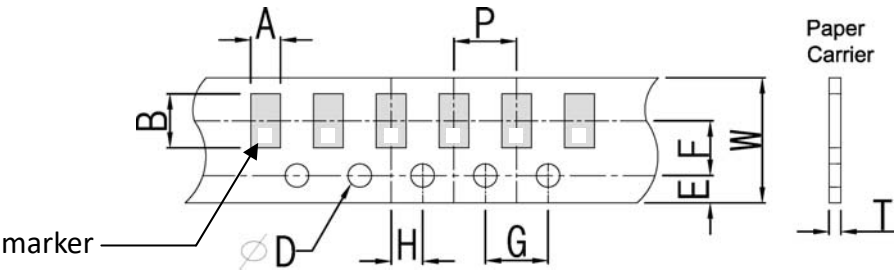
Reel and Taping Specification

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

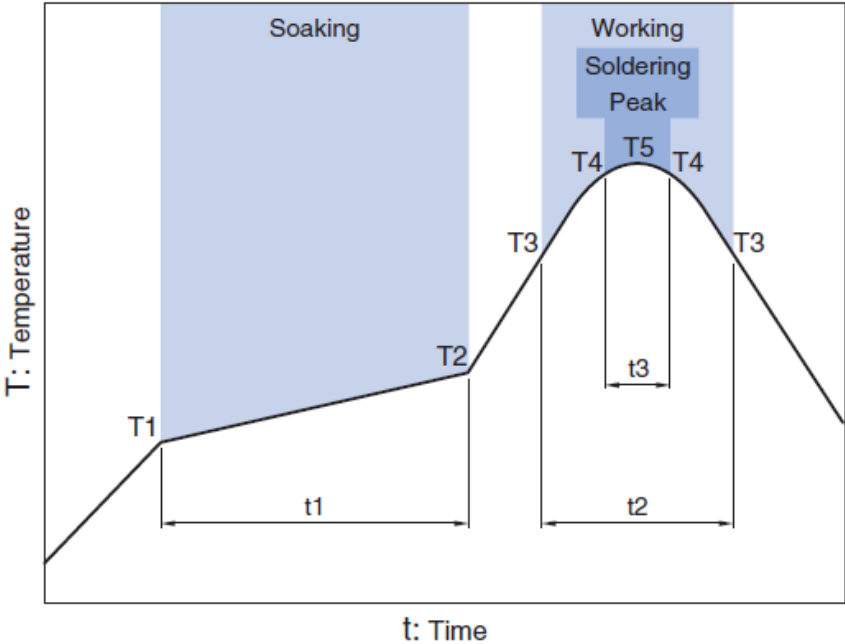
Tapping Specification



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

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.