

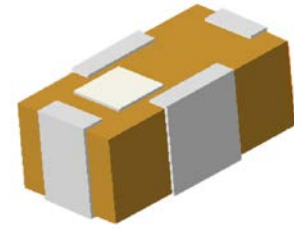
2.4GHz 1608 Band Pass Filter: BPF1608R24004K02

Applications:

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

Features

SMD, high reliability, ultra Impact...



Part number

BPF 1608 R 2400 4K 02
 (1) (2) (3) (4) (5)

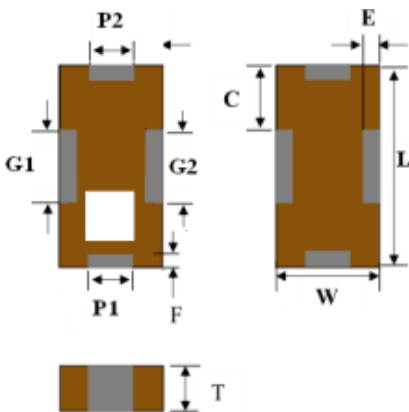
(1)Size Code	1.6x0.8mm
(2) Packing	Tape and reel
(3) Frequency	2.4GHz
(4) Packing Number	4K
(5)Type	02

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*

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Evaluation Board Reference

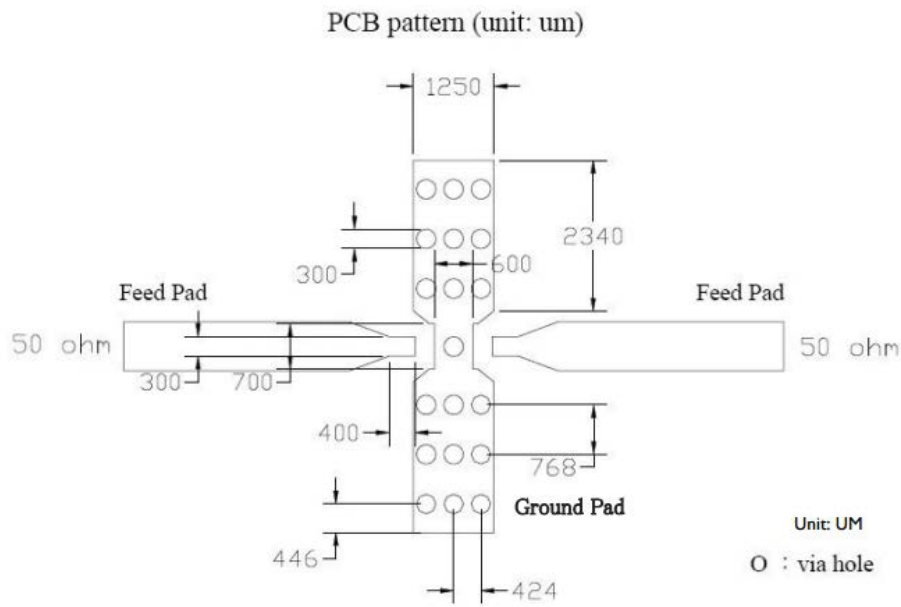
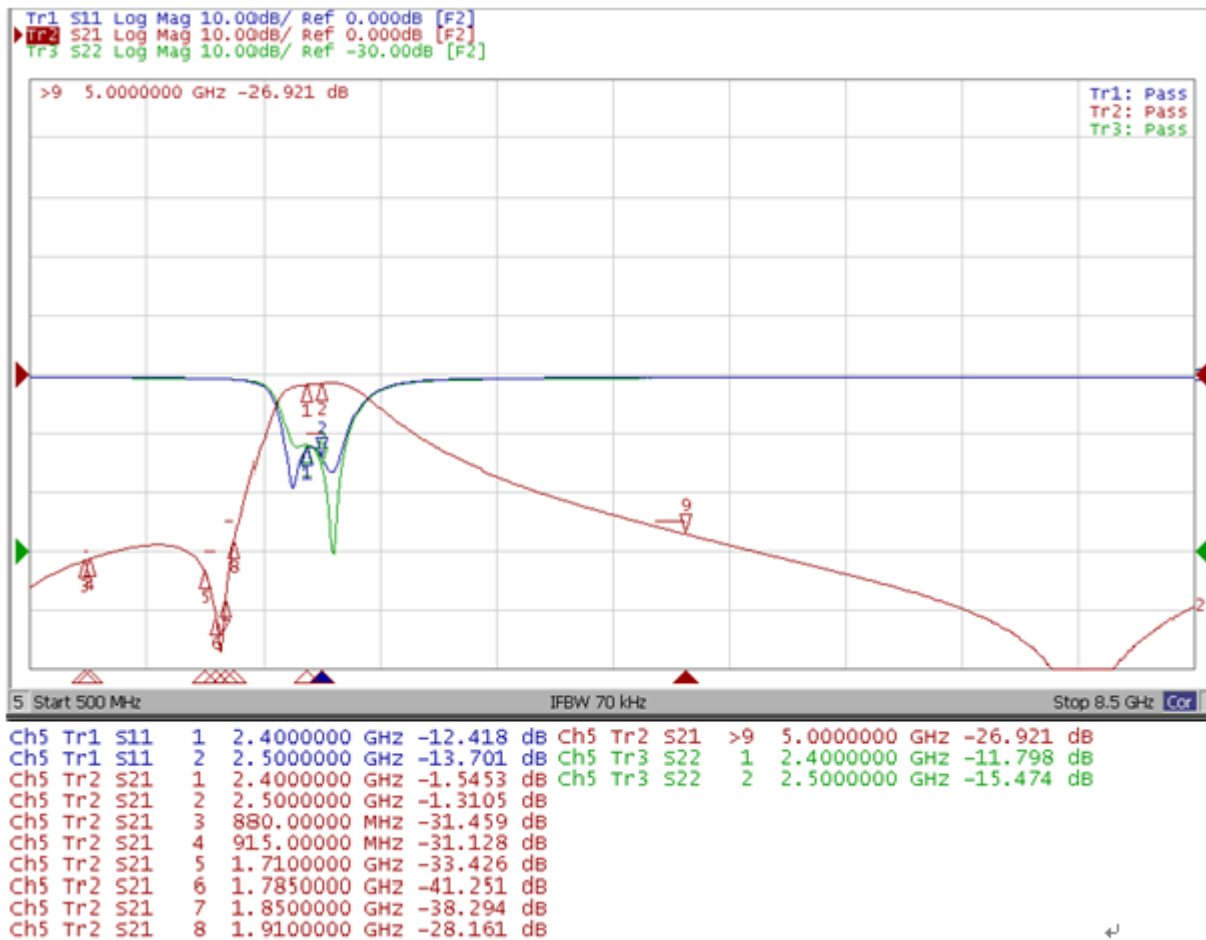


Fig.2 Reference design of evaluation board

Electrical Characteristics

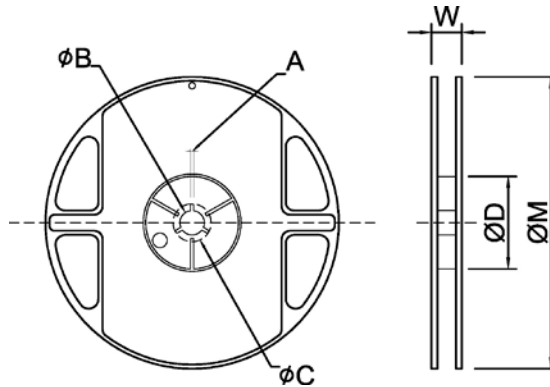


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Taping Specifications

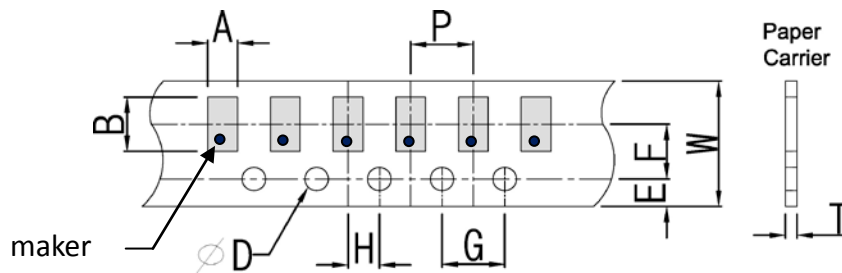
Reel and Taping Specification

Reel Specification



TYPE	SIZE		A	ϕB	ϕC	ϕD	W	ϕM
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

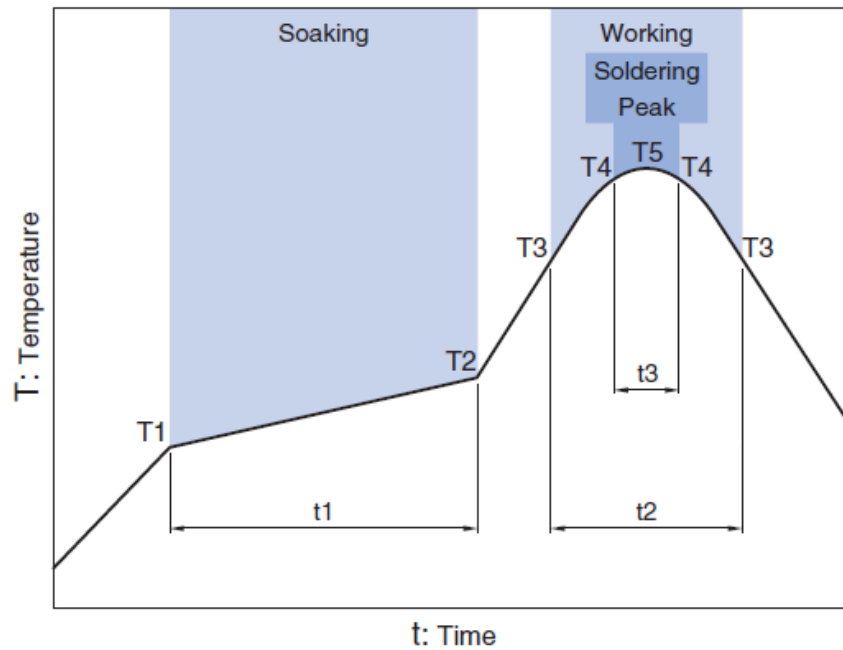


Packaging	Type	A	B	W	E	F	G	H	T	ϕD	P
Paper Type	1608	1.40±0.20	2.20±0.20	8.0±0.20	1.75±0.10	3.0±0.05	4.0±0.10	2.0±0.05	0.75±0.10	1.50 +0.10 -0	4.0±0.1

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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.

March 2018 Ver.H01