

5GHz 1608 Band Pass Filter: BPF1608R50004K08

Applications:

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

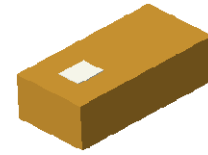
Features

SMD, high reliability, ultra Impact...

Part number

BPF 1608 R 5000 4K 08
 (1) (2) (3) (4) (5)

(1)Size Code	1.6x0.8mm
(2) Packing	Tape and reel
(3) Frequency	5GHz
(4) Packing Number	4K
(5)Type	08



Electrical Specification

Pass Band	4900~5840MHz
Impedance	50 Ohm
Insertion Loss	1.5 dB (Max) at 25℃
Attenuation	35dB Min @ 500~2170 MHz 35dB Min @ 2170~2500 MHz 35dB Min @ 9800~12000 MHz
VSWR	2.0 (Max)
Operating Temperature	-40 ~ +85 °C

The specification is defined on EVB.

Dimension and Terminal Configuration

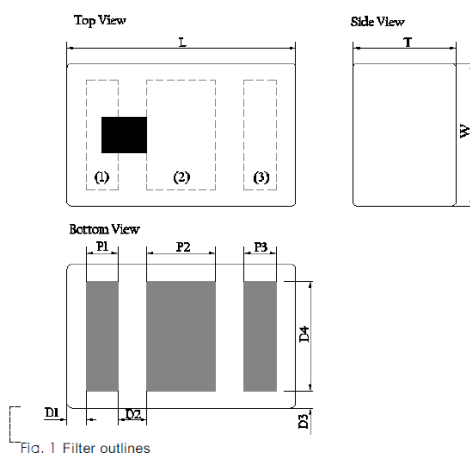


Fig. 1 Filter outlines

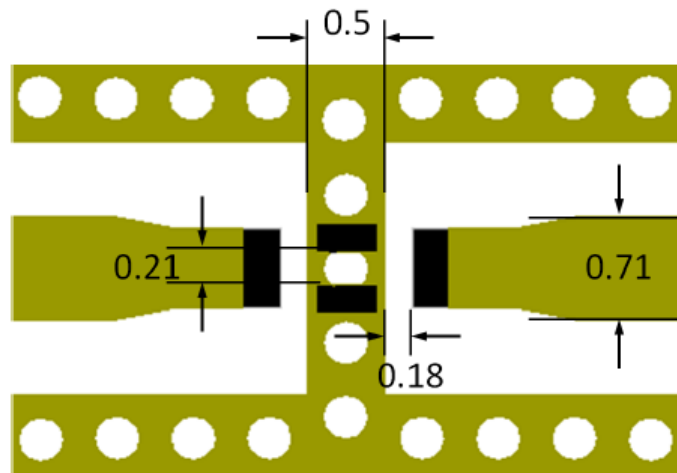
Dimension (mm)	
L	1.60±0.15
W	0.80±0.15
T	0.60±0.15
P1	0.25 ±0.10
P2	0.40 ±0.10
P3	0.25 ±0.10
D1	0.10 ±0.10
D2	0.25 ±0.10
D3	0.10 ±0.10
D4	0.60 ±0.10

No.	Terminal Name
P1	I/O port
P2	GND
P3	I/O port

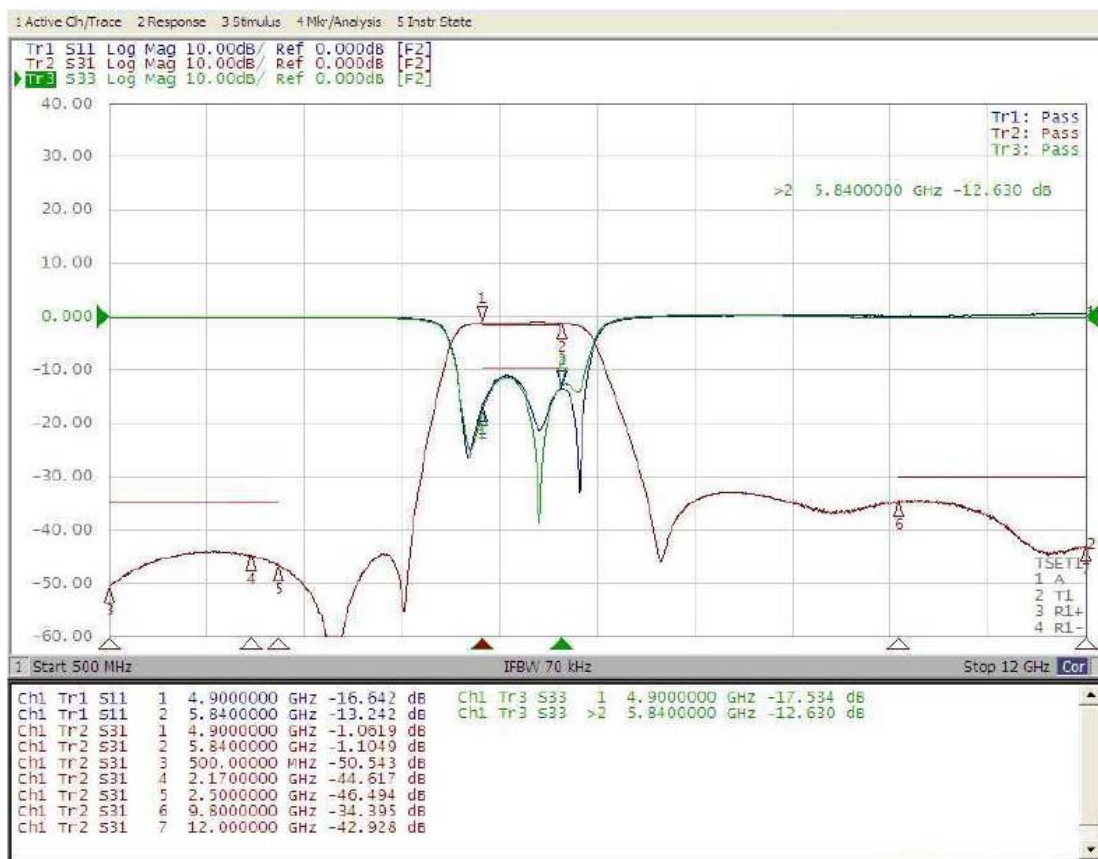
*P.S : Symmetrical,
No direction*

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Evaluation Board Reference



Electrical Characteristics

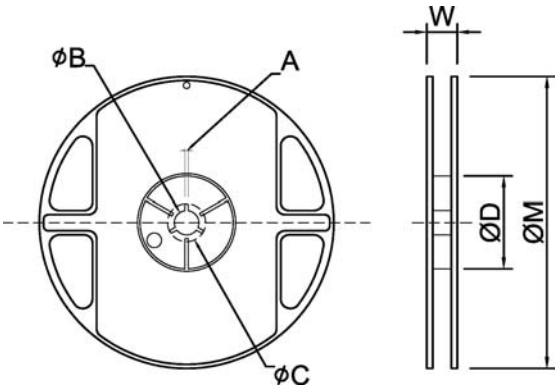


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Taping Specifications

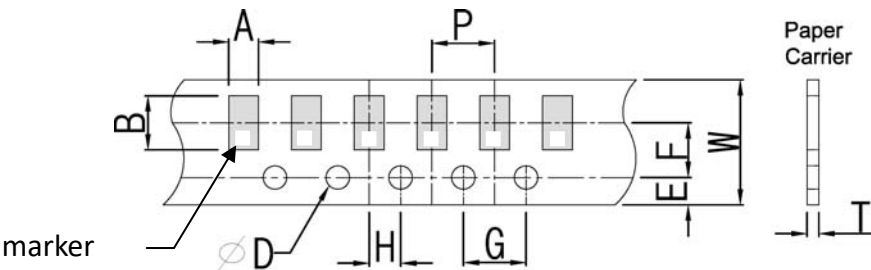
Reel and Taping Specification

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

Tapping Specification

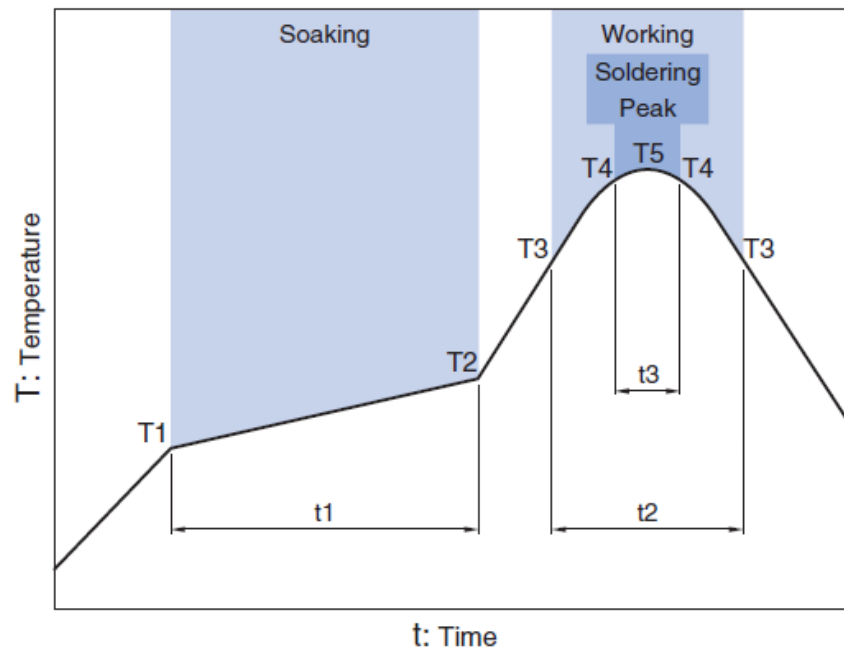


Packaging	Type	A	B	W	E	F	G	H	T	ψD	P
Paper Type	1608	1.40±0.20	2.20±0.20	8.0±0.20	1.75±0.10	3.0±0.05	4.0±0.10	2.0±0.05	0.75±0.10	1.50 ^{+0.10} ₋₀	4.0±0.1

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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.