

5000MHz 1608 Band Pass Filter: BPF1608R50004K09

Applications:

WLAN, 802.11a/n, ISM band...

Features

SMD, high reliability, ultra Impact...

Part number

BPF 1608 R 5000 4K 09
(1) (2) (3) (4) (5)

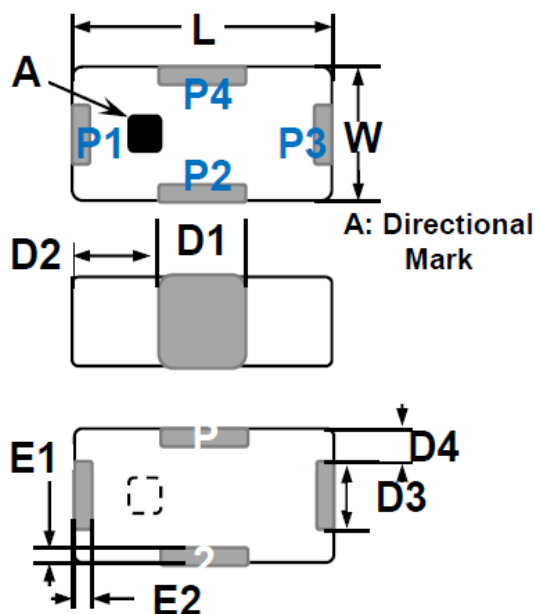
(1)Size Code	1.6x0.8mm
(2) Packing	Tape and reel
(3) Frequency	5000MHz
(4) Packing Number	4K
(5)Type	09

Electrical Specification

Pass Band	4900~5850MHz
Impedance	50 Ohm
Insertion Loss	1.5 dB (Max) at 25°C
Attenuation	33dB Min @ 500~2170 MHz 29dB Min @ 2170~2500 MHz 32dB Min @ 9800~12000 MHz
VSWR	2.0 (Max)
Operating Temperature	-40 ~ +85 °C

The specification is defined on EVB.

Dimension and Terminal Configuration



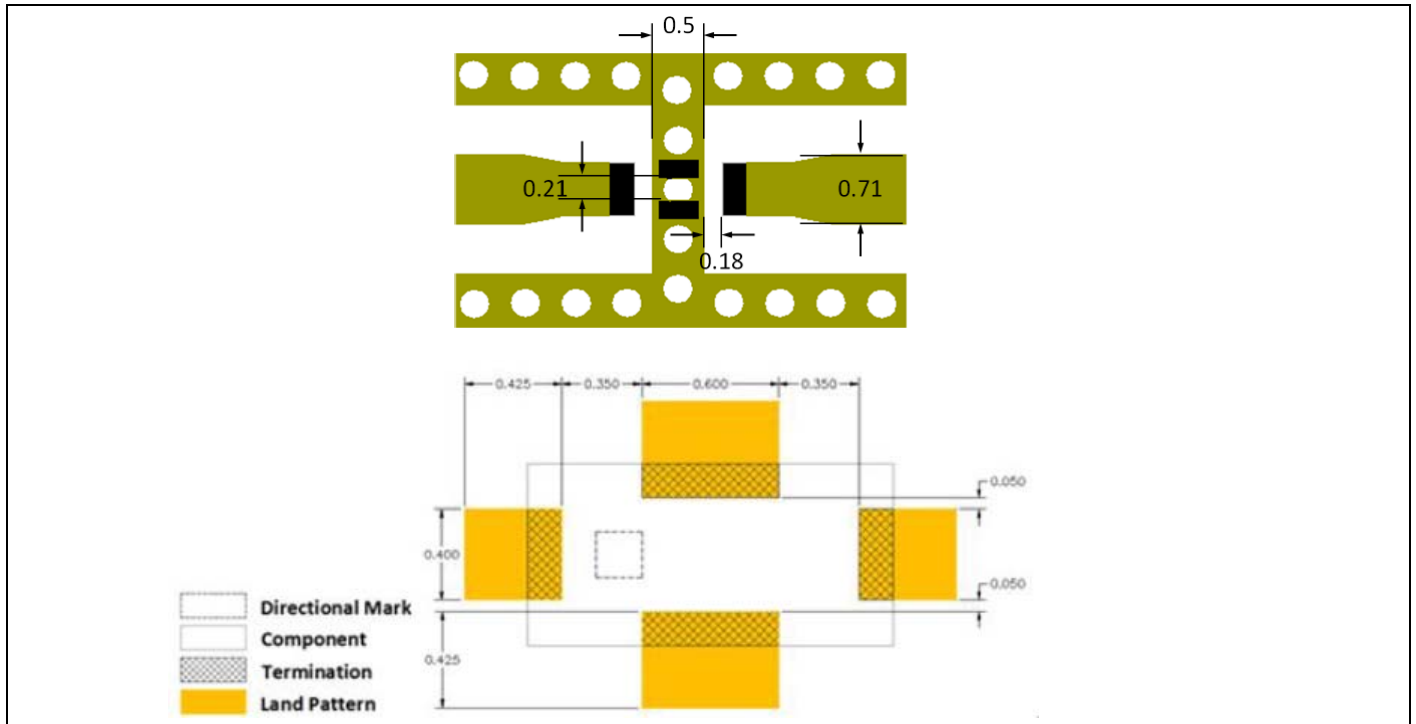
Dimension (mm)	
L	1.60±0.15
W	0.80±0.15
T	0.60±0.15
D1	0.60±0.10
D2	0.50 ±0.10
C3	0.40 ±0.10
D4	0.20 ±0.10
E1	0.15 ±0.10
E2	0.15 ±0.10

No.	Terminal Name
P1	Input
P2	GND
P3	Output
P4	GND

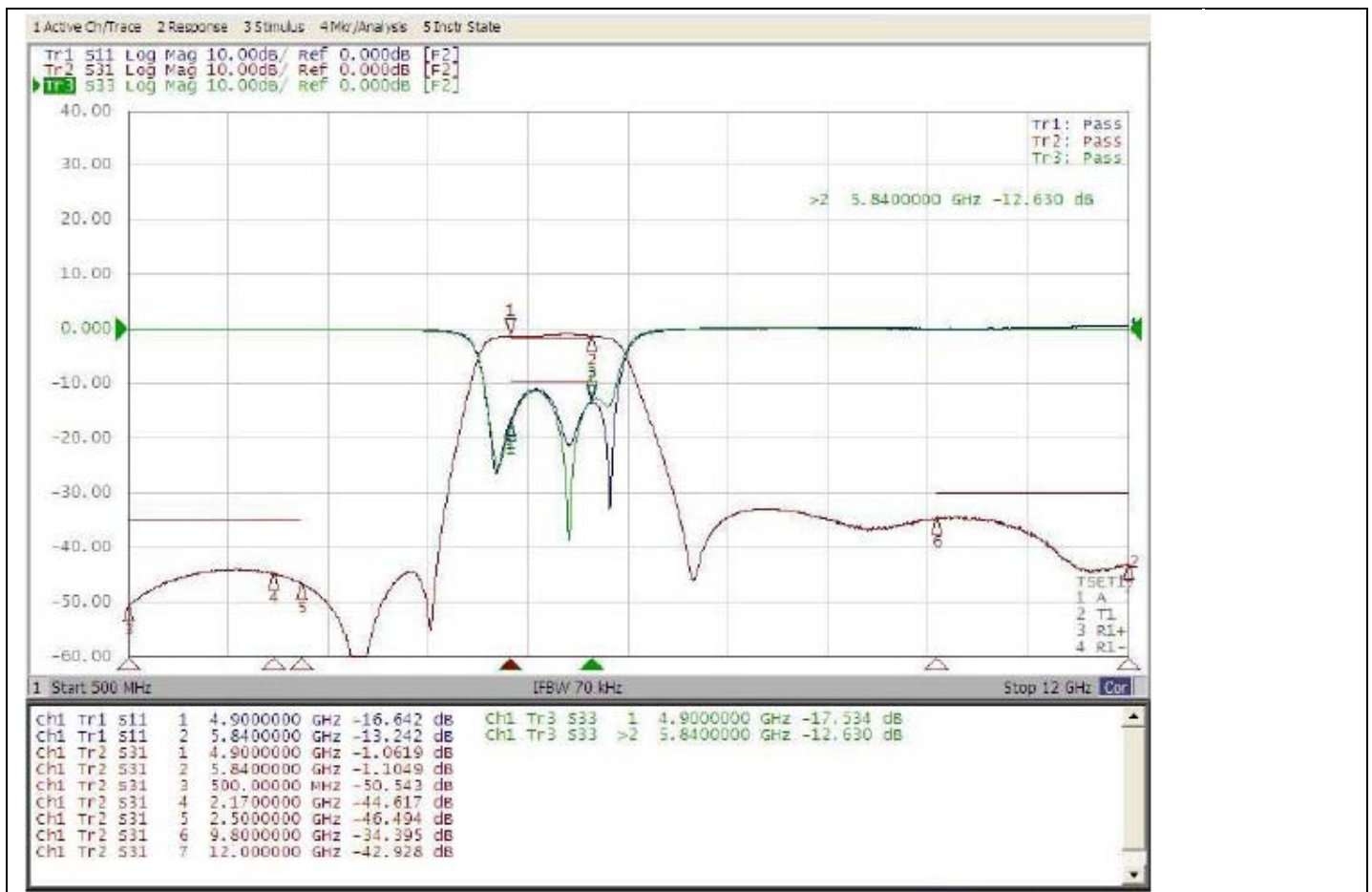
P.S : Symmetrical,
No direction

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Evaluation Board Reference



Electrical Characteristics

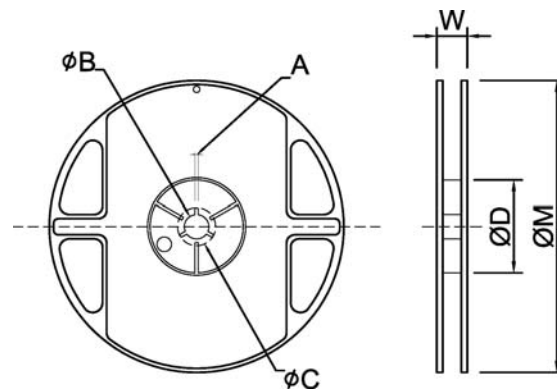


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Taping Specifications

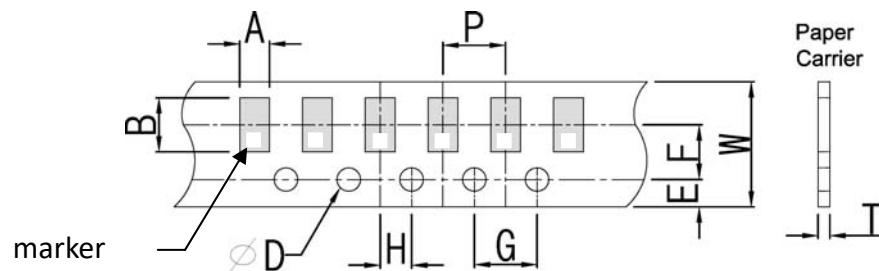
Reel and Taping Specification

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

Taping Specification

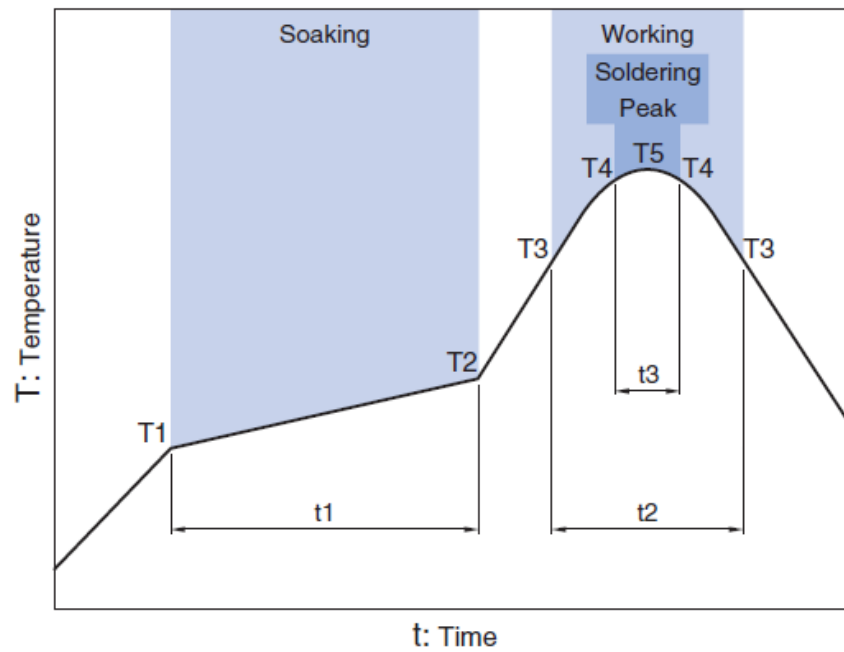


Packaging	Type	A	B	W	E	F	G	H	T	ψD	P
Paper Type	1608	1.40 ± 0.20	2.20 ± 0.20	8.0 ± 0.20	1.75 ± 0.10	3.0 ± 0.05	4.0 ± 0.10	2.0 ± 0.05	0.75 ± 0.10	$1.50^{+0.10}_{-0}$	4.0 ± 0.1

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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.