

2.4GHz 1608 Band Pass Filter: BPF1608R24004K01

Applications:

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

Features

SMD, high reliability, ultra Impact...

Part number

BPF 1608 R 2400 4K 01
(1) (2) (3) (4) (5)

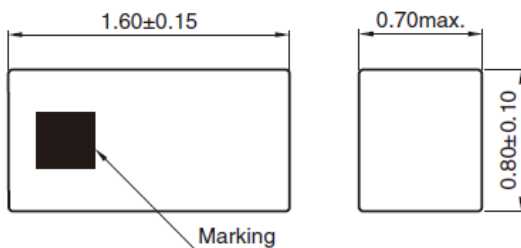
(1)Size Code	1.6x0.8mm
(2) Packing	Tape and reel
(3) Frequency	2.4GHz
(4) Packing Number	4K
(5)Type	01

Electrical Specification

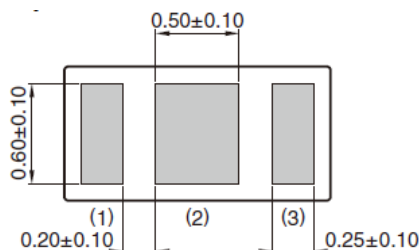
Pass Band	2400~2500MHz
Impedance	50 Ohm
Insertion Loss(dB)	1.3 (Max) at 25°C
Attenuation(dB)	30dB Min @ 4800~5000 MHz 30dB Min @ 7200~7500 MHz
VSWR	2.0 (Max)
Ripple	0.50dB
Operating Temperature	40 ~ +85 °C

The specification is defined on EVB.

Dimension and Terminal Configuration



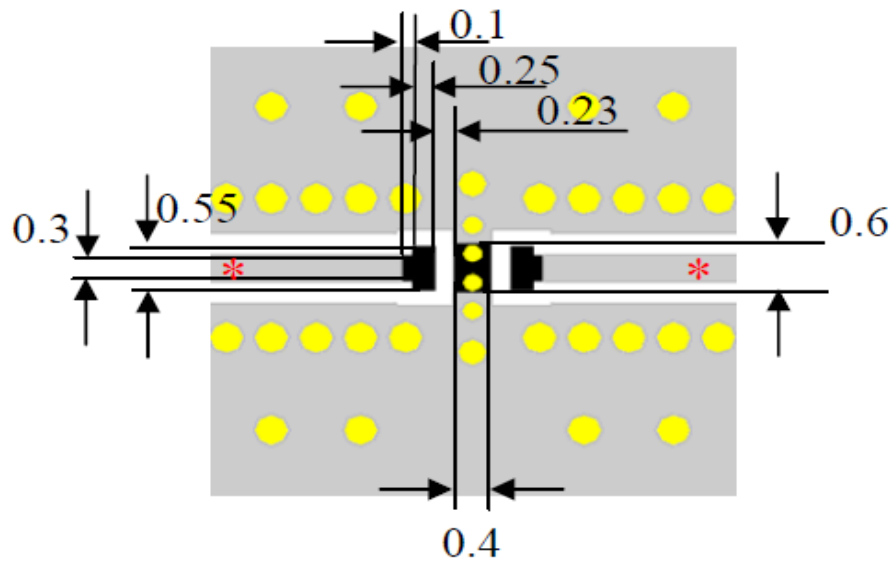
No.	Terminal Name
1	Input
2	Ground
3	Output



*P.S : Symmetrical,
No direction*

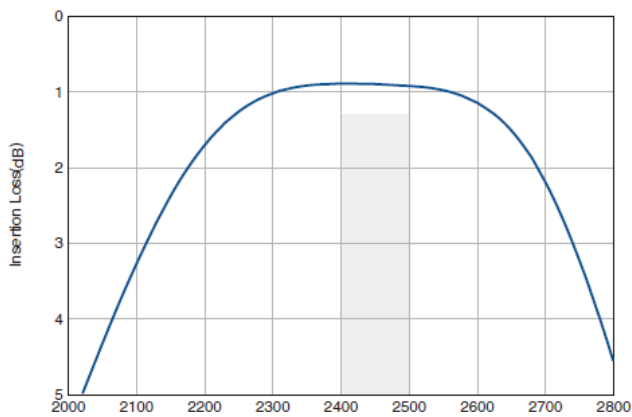
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Evaluation Board Reference

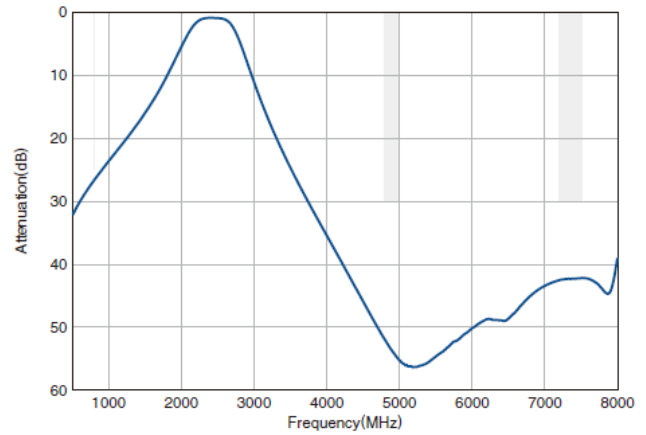


Electrical Characteristics

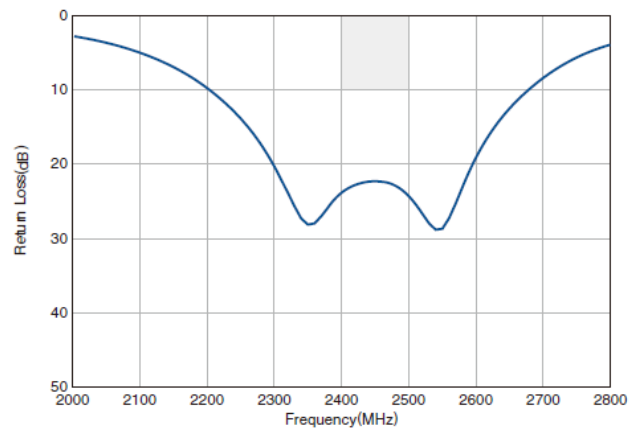
□ INSERTION LOSS



□ ATTENUATION



□ RETURN LOSS

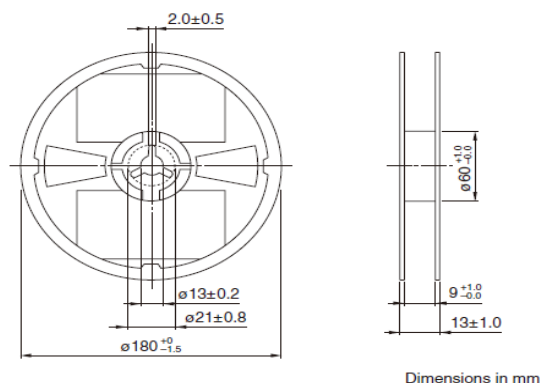


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Taping Specifications

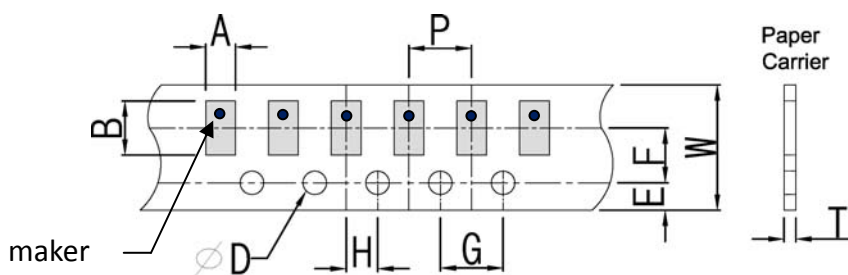
Reel and Taping Specification

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

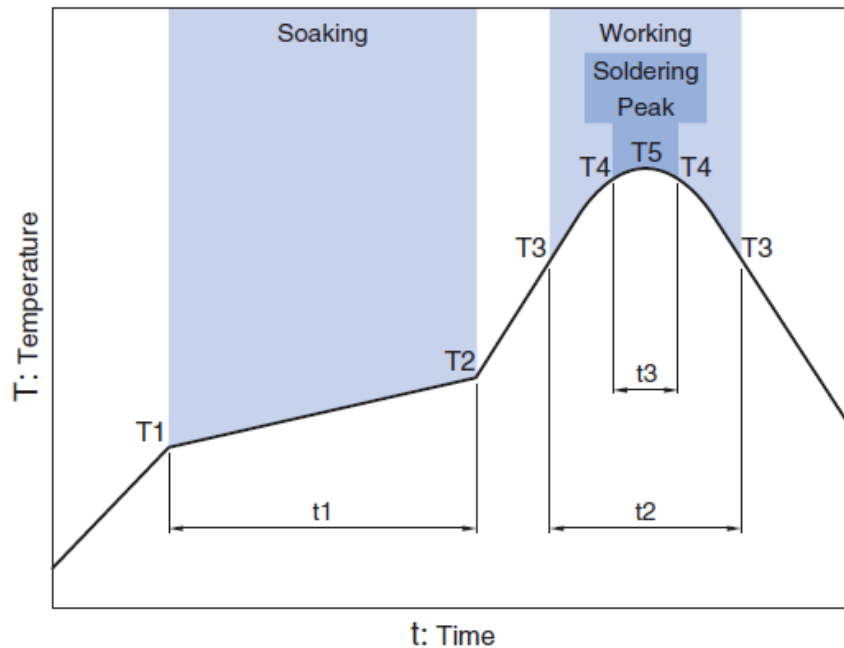
Tapping Specification



Packaging	Type	A	B	W	E	F	G	H	T	ϕD	P
Paper Type	1608	0.97 ± 0.20	1.80 ± 0.20	8.0 ± 0.20	1.75 ± 0.10	3.5 ± 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.

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