

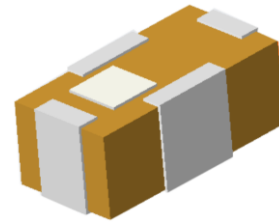
2.4GHz 1005 Band Pass Filter: LBP1005R2400L203

Applications:

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

Features

SMD, high reliability, ultra-Impact...



Part number

LBP 1005 R 2400 L2 03
(1) (2) (3) (4) (5) (6)

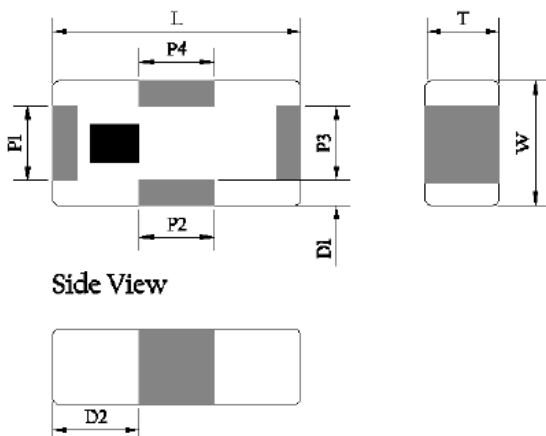
(1) Product Code	LTCC-BPF
(2) Size Code	1.0x0.5mm
(3) Packing	Tape and reel
(4) Frequency	2.4GHz
(5) Series	L2
(6) Type	03

Electrical Specification

Pass Band	2400~2500MHz
Impedance	50 Ohm
Insertion Loss	1.5dB max. @ 25°C
Attenuation	10dB min. @ 880 ~ 960 MHz 25dB min. @ 4800 ~ 5000 MHz 25dB min. @ 7200 ~ 7500 MHz
VSWR	2.0 max.
Operating Temperature	-40~85°C

The specification is defined on EVB.

Dimension and Terminal Configuration



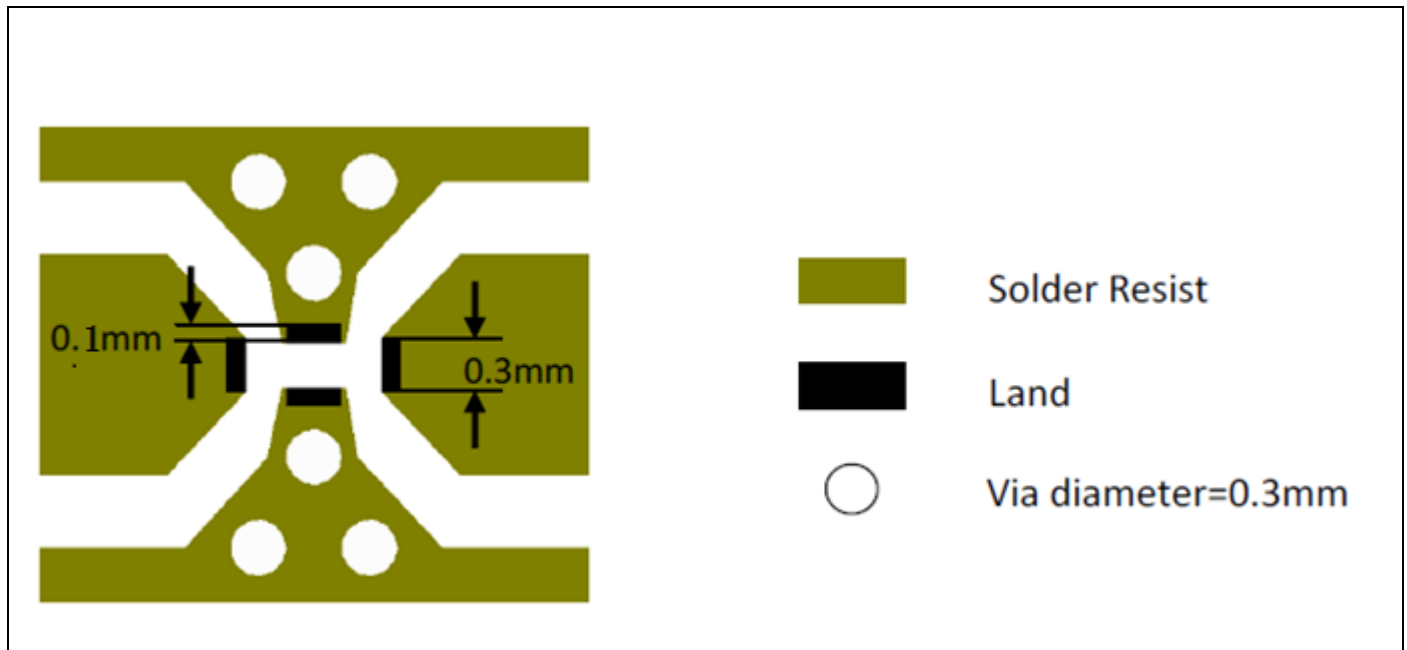
Dimension (mm)	
L	1.00+/-0.10
W	0.50+/-0.10
T	0.35+/-0.10
P1	0.35 ±0.15
P2	0.35 ±0.15
P3	0.35 ±0.15
P4	0.35 ±0.15
D1	0.10 ±0.10
D2	0.35 ±0.15

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

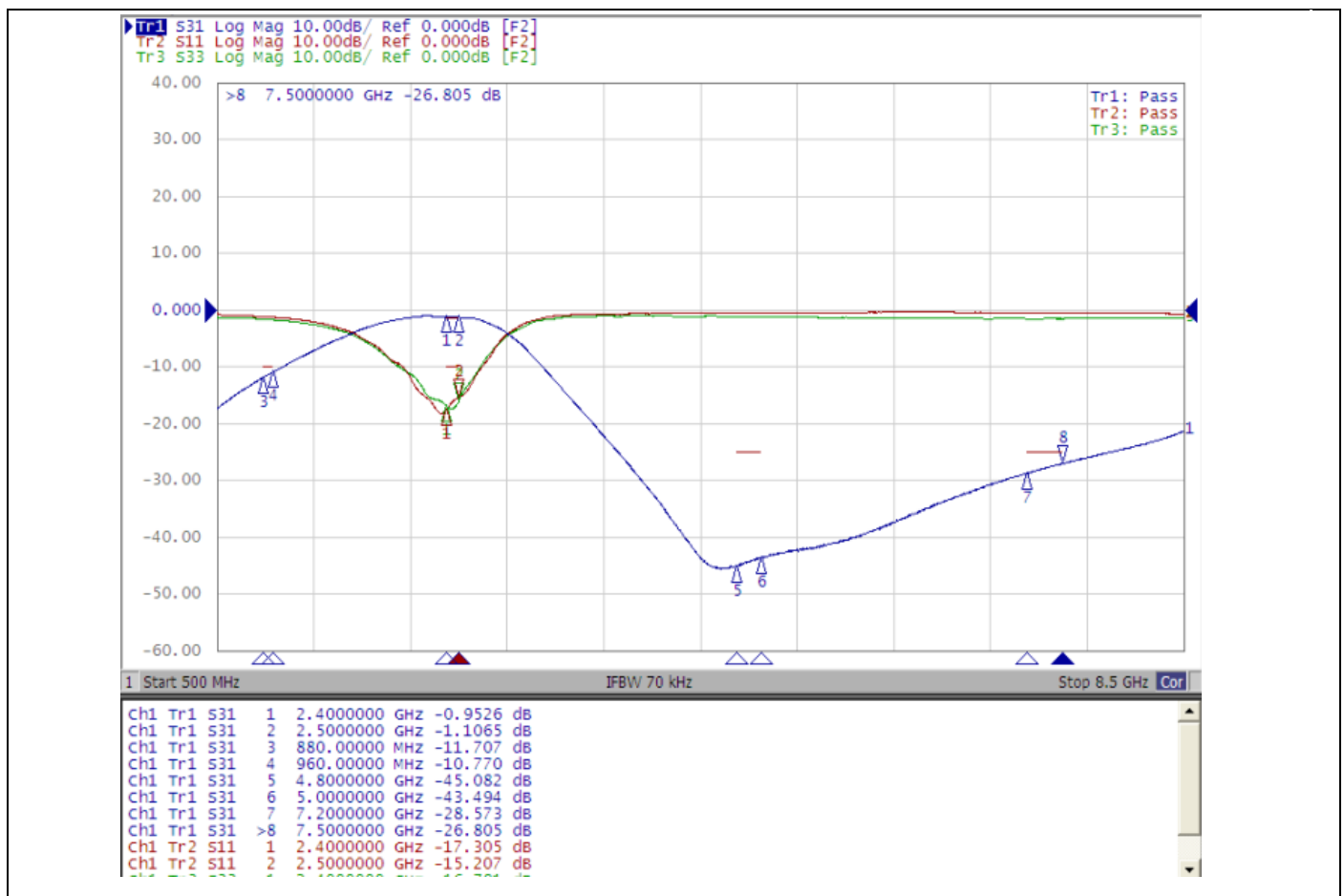
*P.S : Symmetrical,
No direction*

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Evaluation Board Reference



Electrical Characteristics

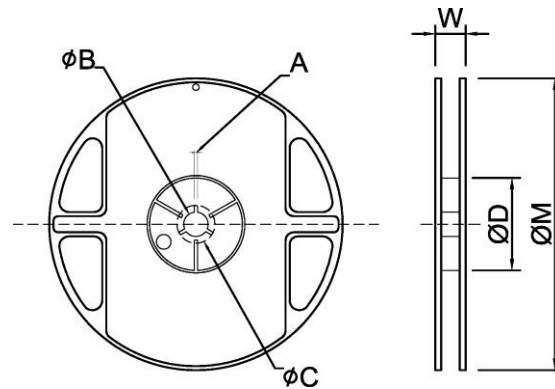


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Taping Specifications

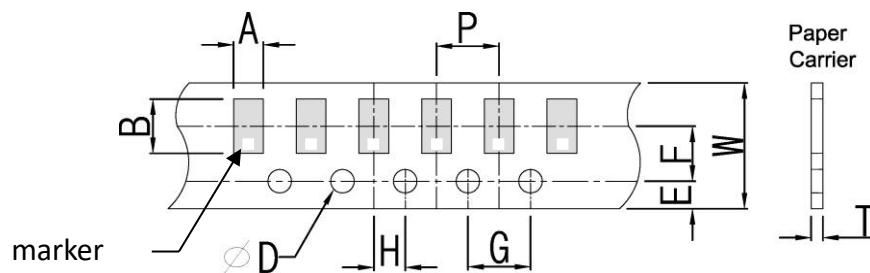
Reel and Taping Specification

Reel Specification



TYPE	SIZE		A	ϕ B	ϕ C	ϕ D	W	ϕ M
1005	7"	10K/Reel	2.0±0.5	13.5±1.0	21±1.0	60±1.0	11.5±2.0	178±2.0

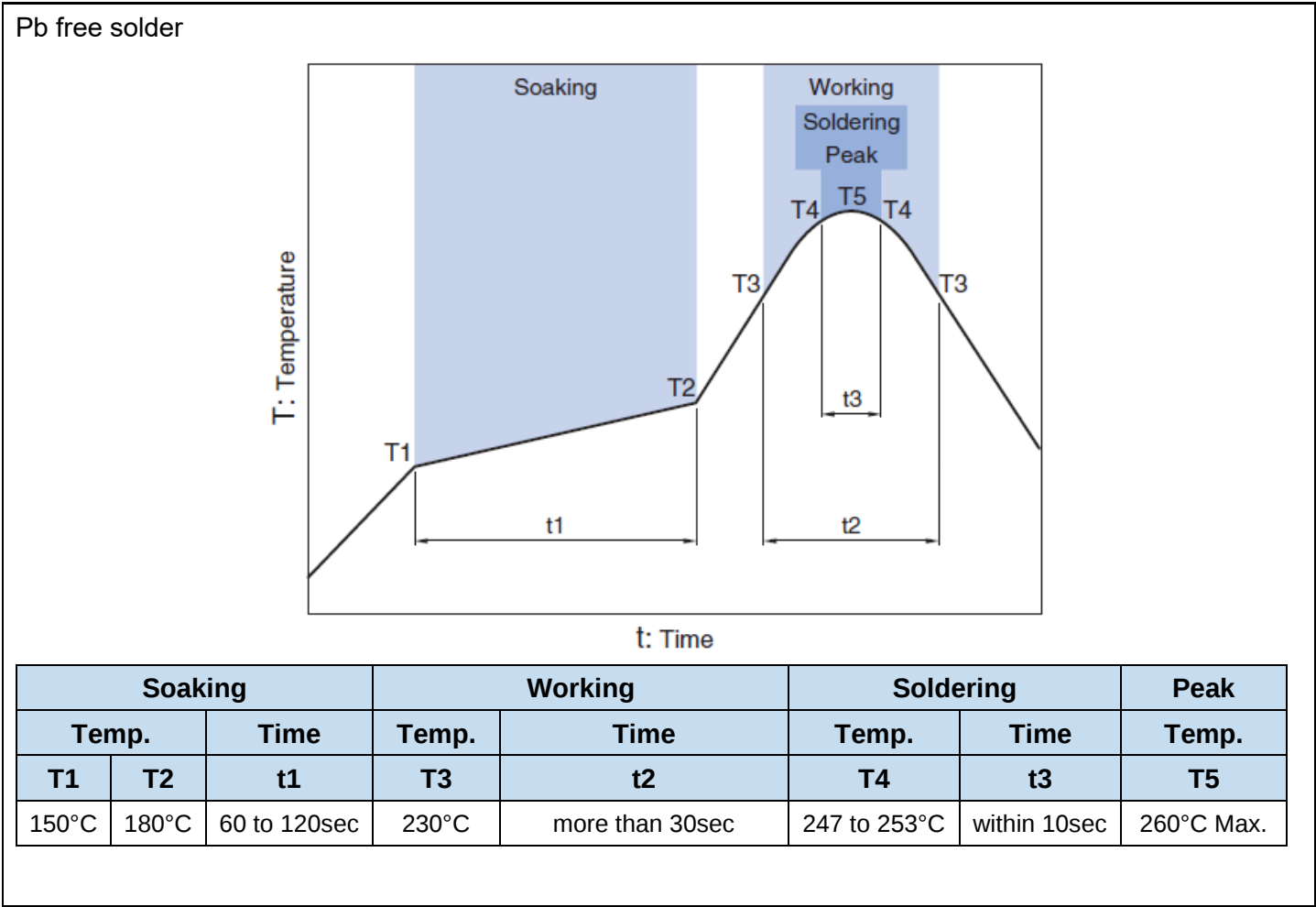
Taping Specification



Packaging	Type	A	B	W	E	F	G	H	T	φD	P
Paper Type	1005	1.00±0.20	1.55±0.20	8.0±0.20	1.75±0.10	3.3±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



Revision History

Version	Date	Description
Ver.01	Jul.2023	New issue.