

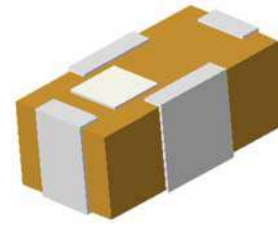
2.4GHz 1005 Band Pass Filter: BPF1005R240010K03

Applications:

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

Features

SMD, high reliability, ultra Impact...



Part number

BPF 1005 R 2400 10K 03
 (1) (2) (3) (4) (5)

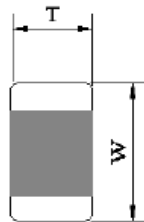
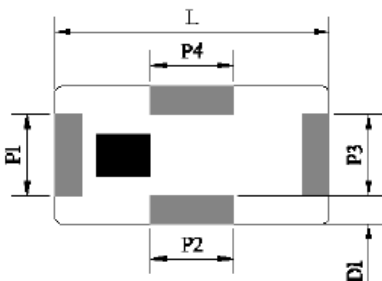
(1) Size Code	1.0x0.5mm
(2) Packing	Tape and reel
(3) Frequency	2.4GHz
(4) Packing Number	10K
(5) Type	03

Electrical Specification

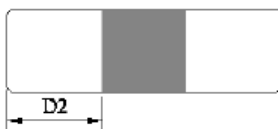
Pass Band	2400~2500MHz
Impedance	50 Ohm
Insertion Loss	1.5 dB (Max) at 20°C
Attenuation	10 dB Min@ 880 ~ 960 MHz 25 dB Min@ 4800 ~ 5000 MHz 25 dB Min@ 7200 ~ 7500 MHz
VSWR	2.0 (Max)
Operating Temperature	-40 ~ 85°C

The specification is defined on EVB.

Dimension and Terminal Configuration



Side View

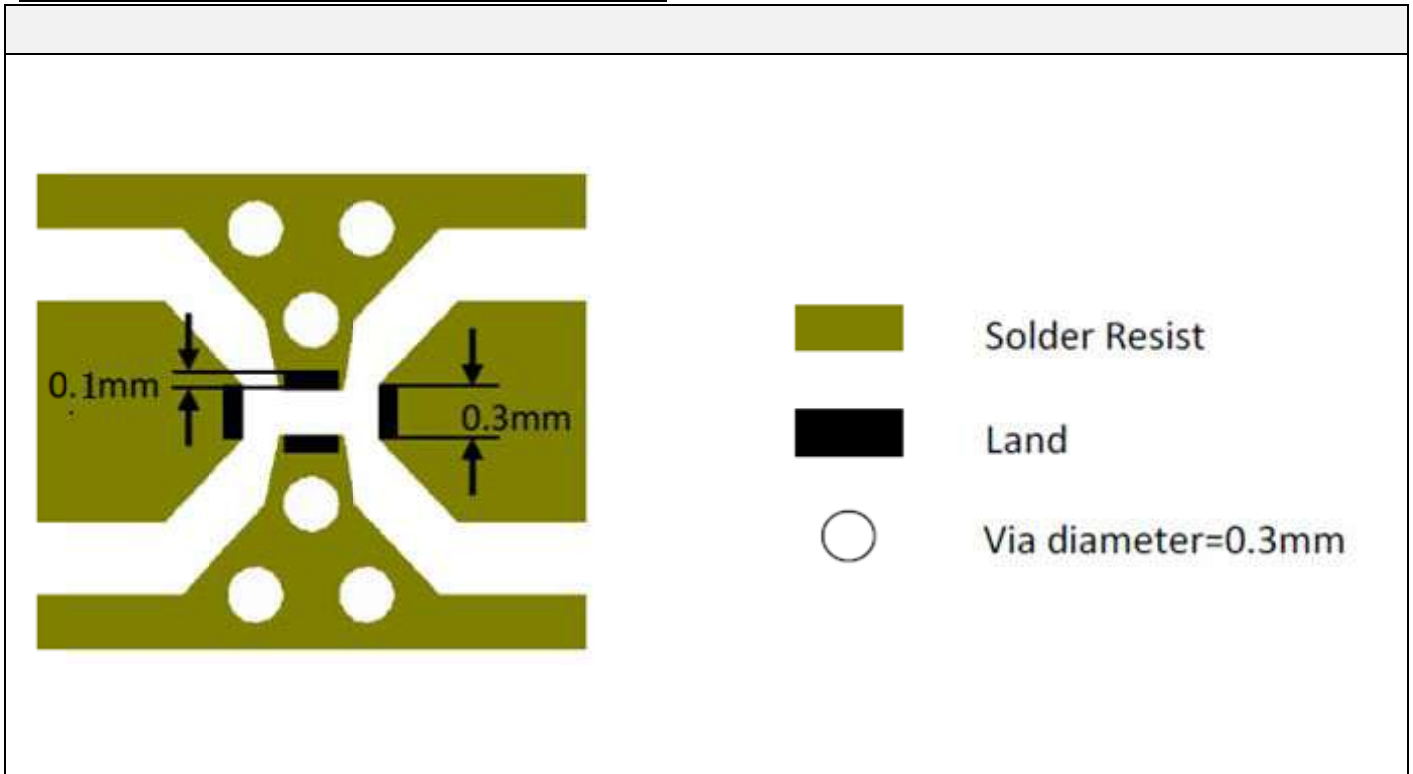


Dimension (mm)	
L	1.00±0.10
W	0.50±0.10
T	0.35±0.10
P1	0.35 ±0.15
P2	0.35 ±0.15
P3	0.35 ±0.15
P4	0.35 ±0.15
D1	0.10 ±0.10
D2	0.35 ±0.15

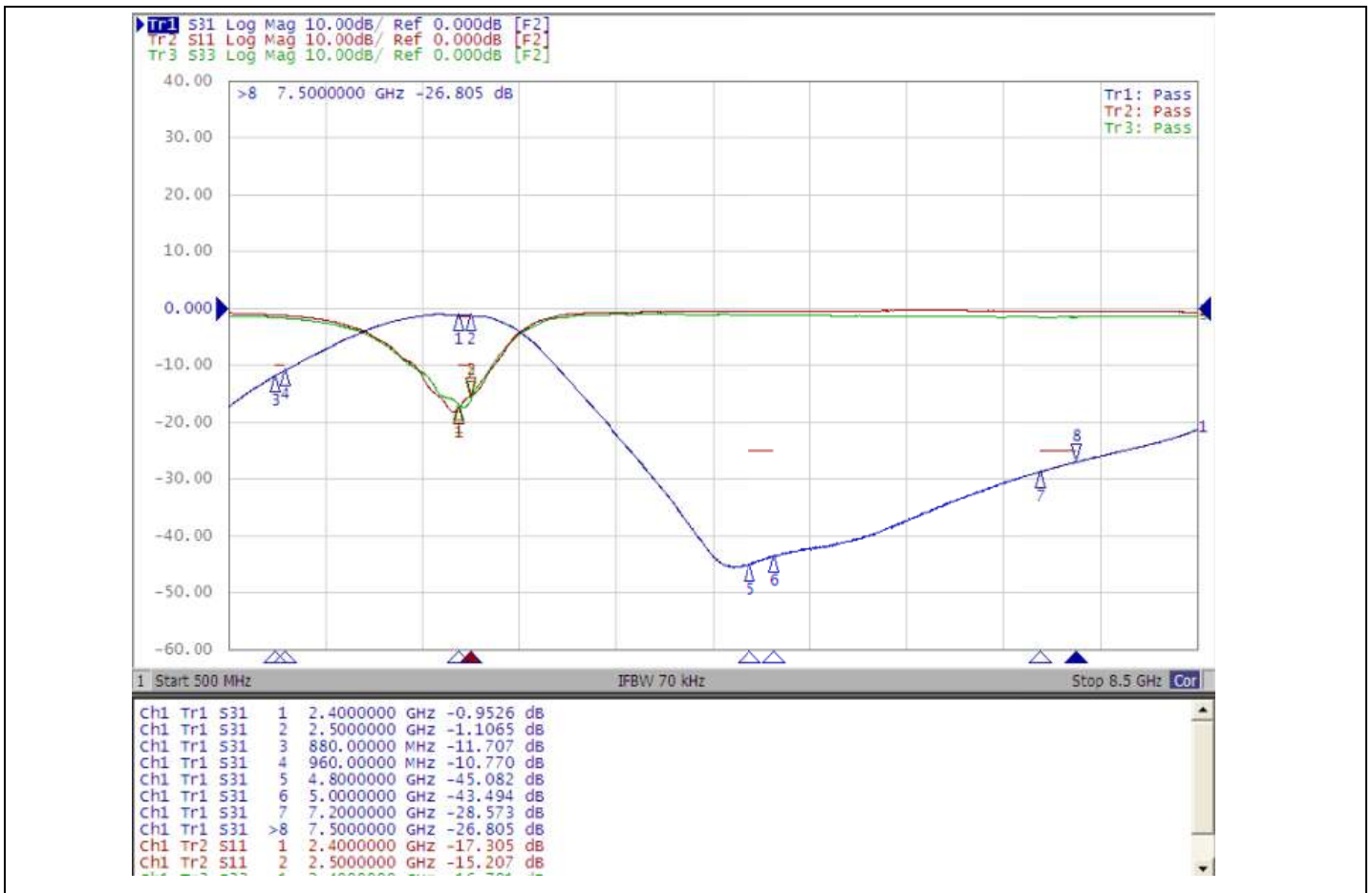
No.	Terminal Name
P1	Input
P2	GND
P3	Output
P4	GND

*P.S : Symmetrical,
No direction*

Evaluation Board Reference



Electrical Characteristics

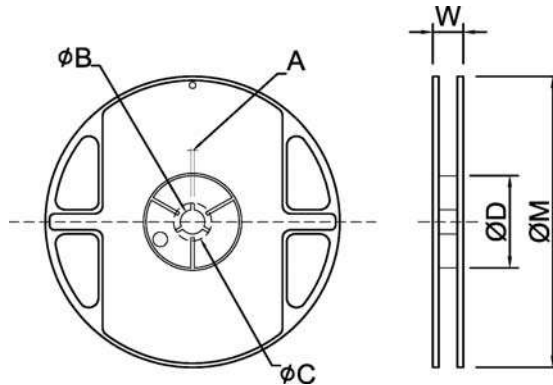


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Taping Specifications

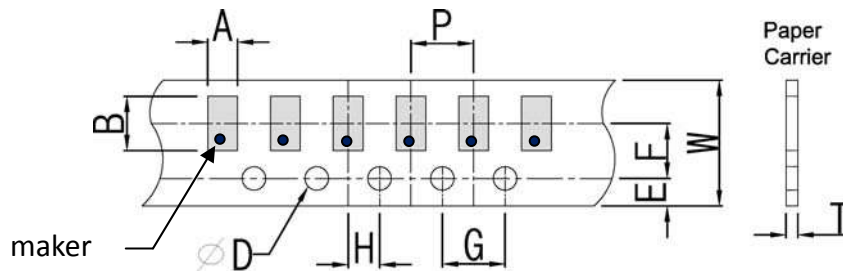
Reel and Taping Specification

Reel Specification



TYPE	SIZE	A	ϕB	ϕC	ϕD	W	ϕM
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

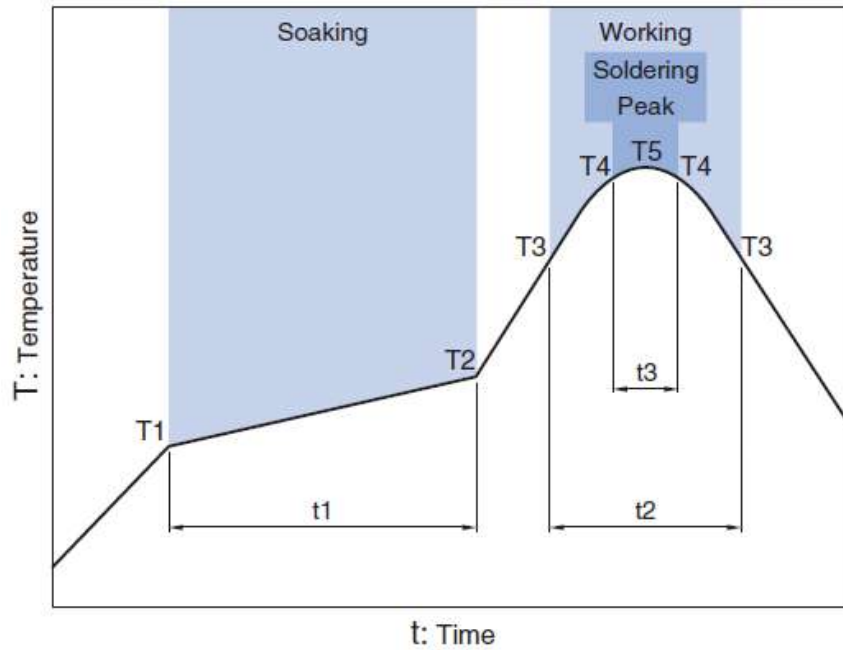


Packaging	Type	A	B	W	E	F	G	H	T	ϕD	P
Paper Type	1005	1.00±0.20	1.55±0.20	8.0±0.20	1.75±0.10	3.3±0.05	4.0±0.10	2.0±0.05	0.75±0.10	1.50 +0.10 -0	4.0±0.1

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Recommended Reflow Profile

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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