

LTE 1608 Low Pass Filter: LLP1608R6026L201

Applications:

LTE(Low/Middle/High Band) Low Pass Filter

Features

SMD, high reliability, ultra-Impact...

Part number

LLP 1608 R 6026 L2 01
(1) (2) (3) (4) (5) (6)

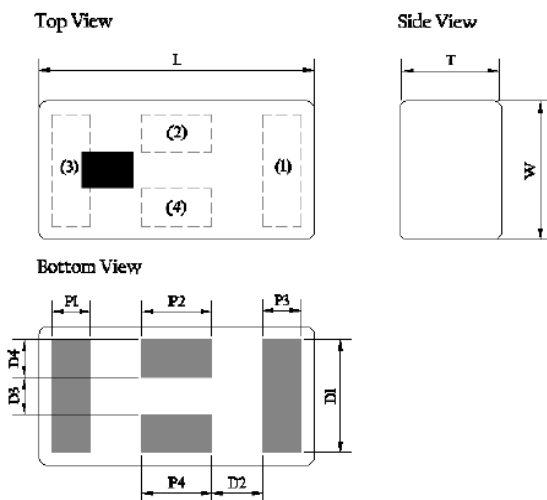
(1) Product Code	LTCC-LPF
(2) Size Code	1.6x0.8mm
(3) Packing	Tape and reel
(4) Frequency	LTE
(5) Series	L2
(6) Type	01

Electrical Specification

Pass Band	698~2700MHz
Impedance	50 Ohm
Insertion Loss	0.35dB max. @ 25°C
VSWR	1.6 max.
Attenuation	25dB min.@5150~8000MHz
Operating Temperature	-40~+85°C

The specification is defined on EVB.

Dimension and Terminal Configuration

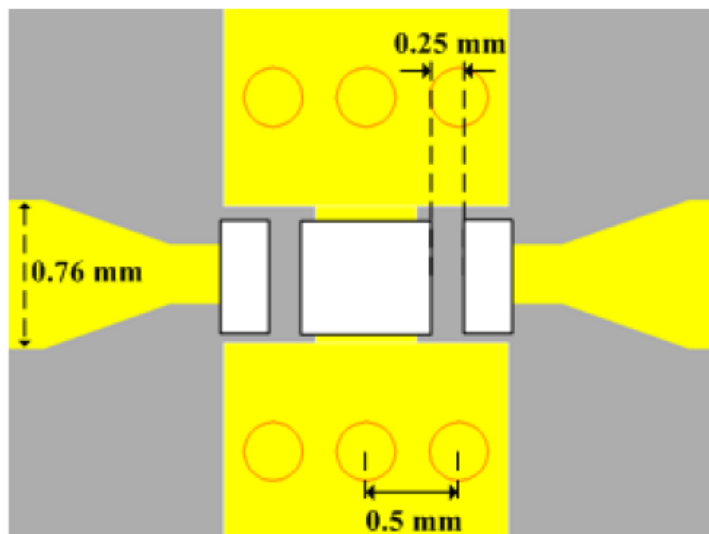


Dimension (mm)	
L	1.60 ± 0.15
W	0.80 ± 0.15
T	0.65 ± 0.15
P1	0.22 ± 0.10
P2	0.40 ± 0.10
P3	0.22 ± 0.10
P4	0.40 ± 0.10
D1	0.65 ± 0.10
D2	0.30 ± 0.10
D3	0.22 ± 0.10
D4	0.22 ± 0.10

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

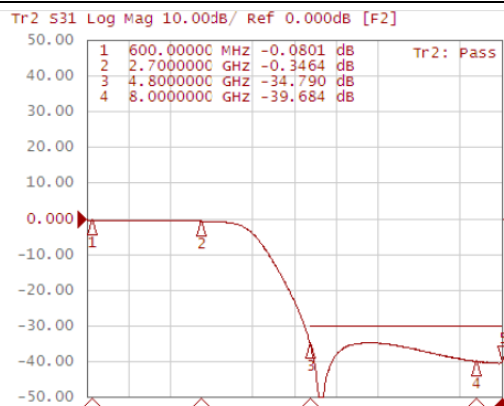
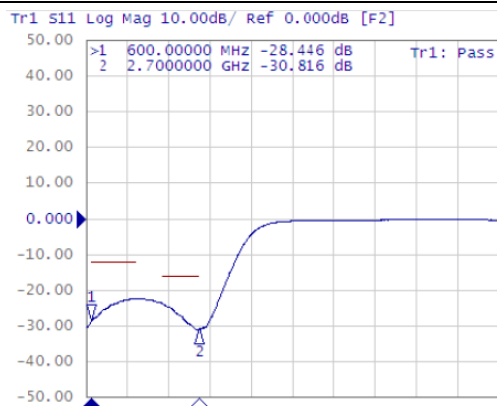
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Evaluation Board Reference



- Solder Resist
- Land
- Via diameter = 0.3 mm

Electrical Characteristics



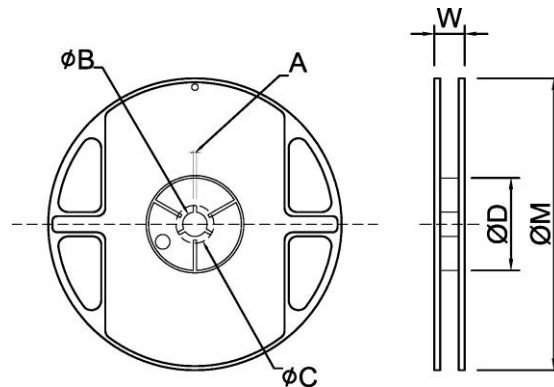
- Measured on Agilent E5071 Network Analyzer
- Input port : Port 1 (Return Γ S11)
- Output port : Port 2 (Return Γ S21)

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Taping Specifications

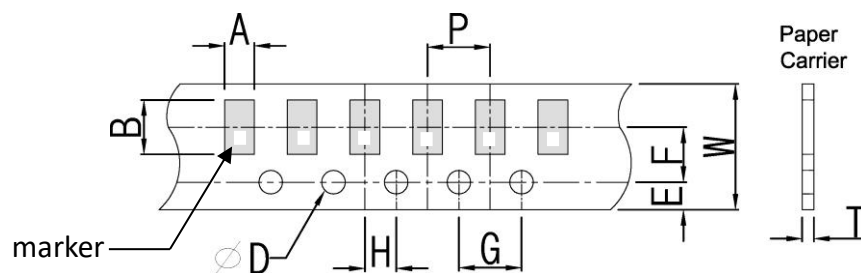
Reel and Taping Specification

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

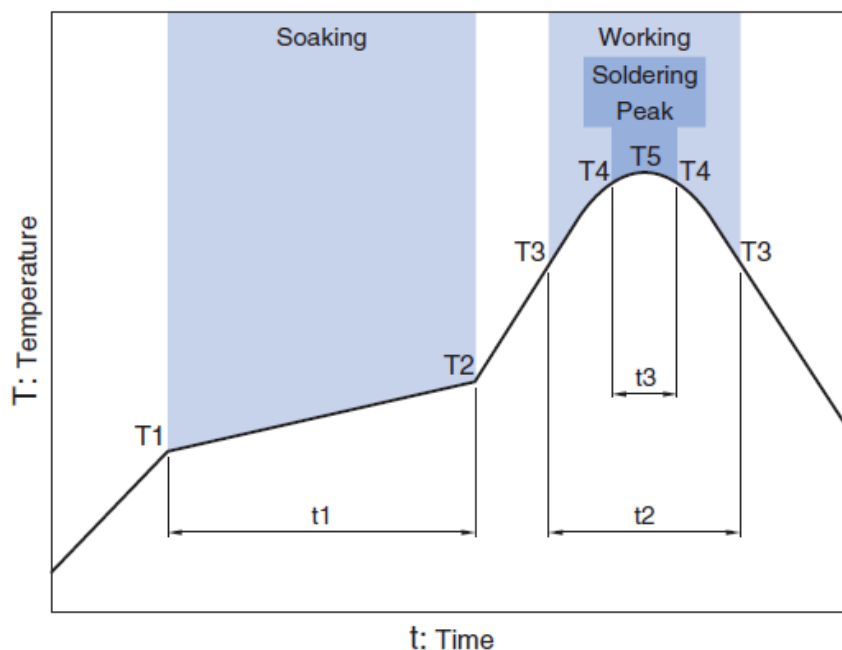
Tapping Specification



Packaging	Type	A	B	W	E	F	G	H	T	φD	P
Paper Type	1608	1.20±0.20	2.0±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

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.

Revision History

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