

700~900MHz 1608 Low Pass Filter: LLP1608R0709L201

Applications:

LTE(Low Band) Sub 1GHz Low pass filter.

Features

SMD, high reliability, ultra-Impact...

Part number

LLP 1608 R 0709 L2 01
(1) (2) (3) (4) (5) (6)

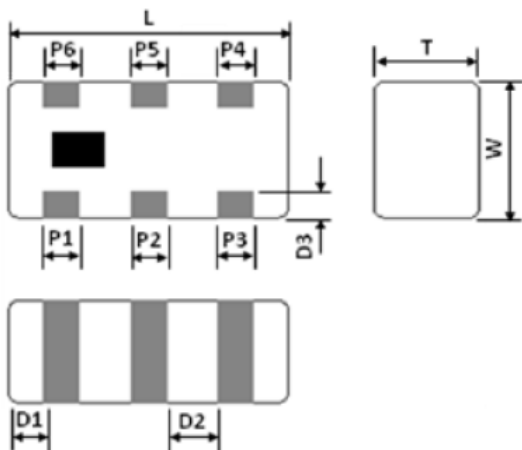
(1) Product code	LTCC-LPF
(2) Size Code	1.6x0.8mm
(3) Packing	Tape and reel
(4) Frequency	698~960MHz
(5) Series	L2
(6) Type	01



Electrical Specification

Pass Band	698~960MHz
Impedance	50 Ohm
Insertion Loss	0.60dB max. @ 698~830 MHz 0.70dB max. @ 830~900 MHz 0.75dB max. @ 900~915 MHz 0.90dB max. @ 915~960 MHz
Attenuation	30dB min. @ 1554~1830 MHz 35dB min. @ 2097~2745 MHz
VSWR	1.6 (Max)
Operating Temperature	-40 ~ 85℃

Dimension and Terminal Configuration

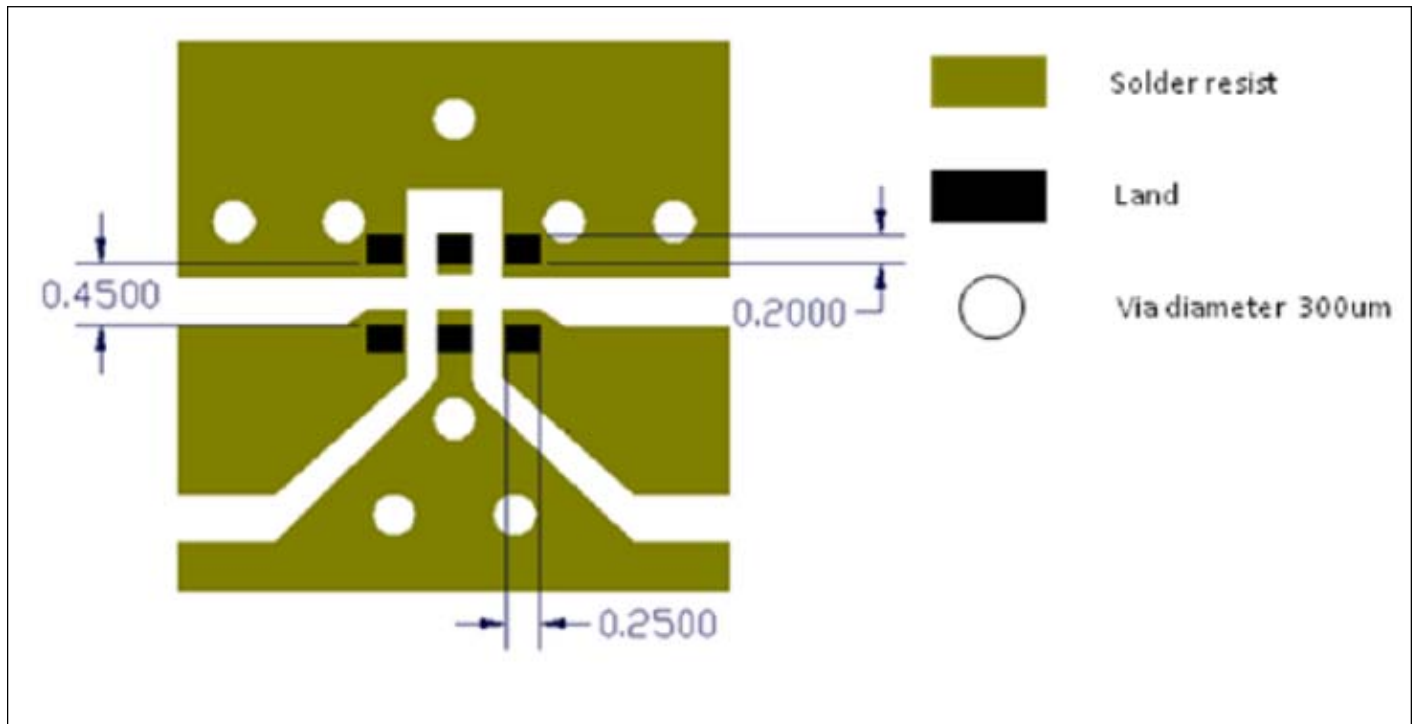


Dimension (mm)	
L	1.60±0.15
W	0.80±0.15
T	0.60±0.15
P1	0.20 ±0.15
P2	0.20 ±0.15
P3	0.20 ±0.15
P4	0.20 ±0.15
P5	0.20 ±0.15
P6	0.20 ±0.15
D1	0.20 ±0.15
D2	0.30 ±0.15
D3	0.15 ±0.10

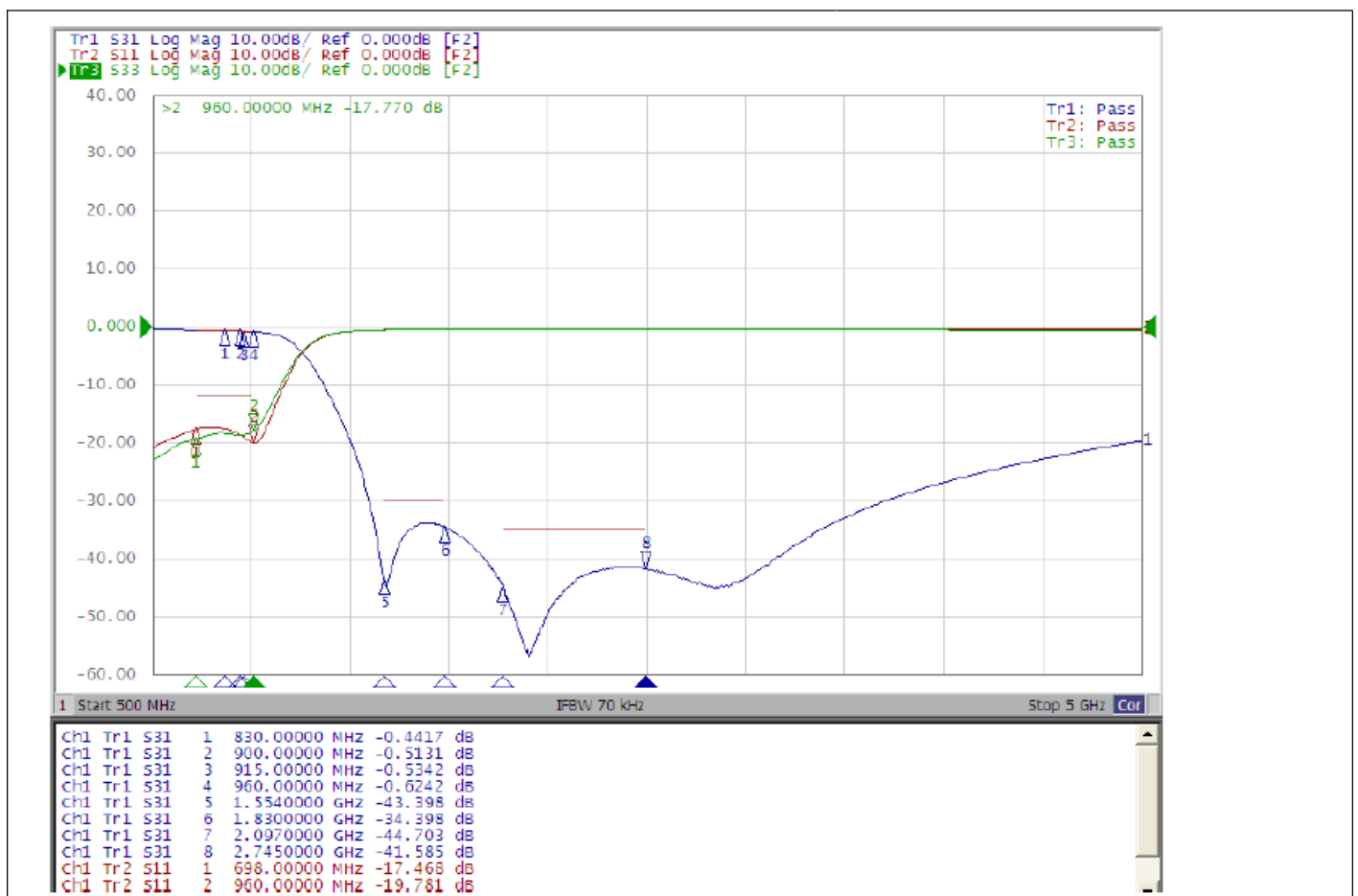
No.	Terminal Name
P1	GND
P2	NC
P3	GND
P4	Output
P5	GND
P6	Input

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Evaluation Board Reference

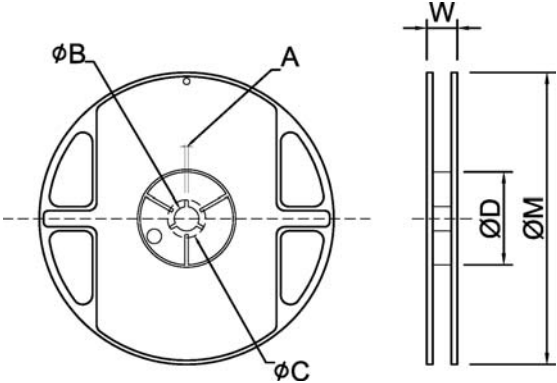


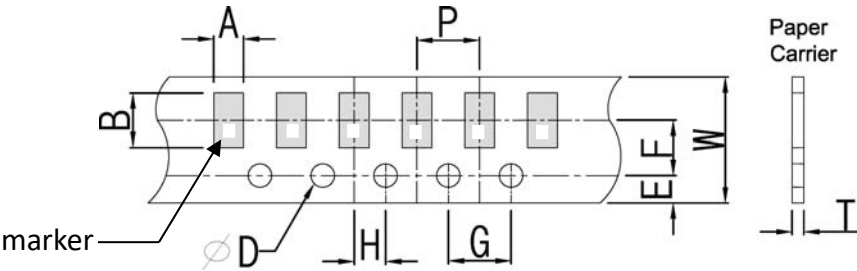
Electrical Characteristics



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Taping Specifications

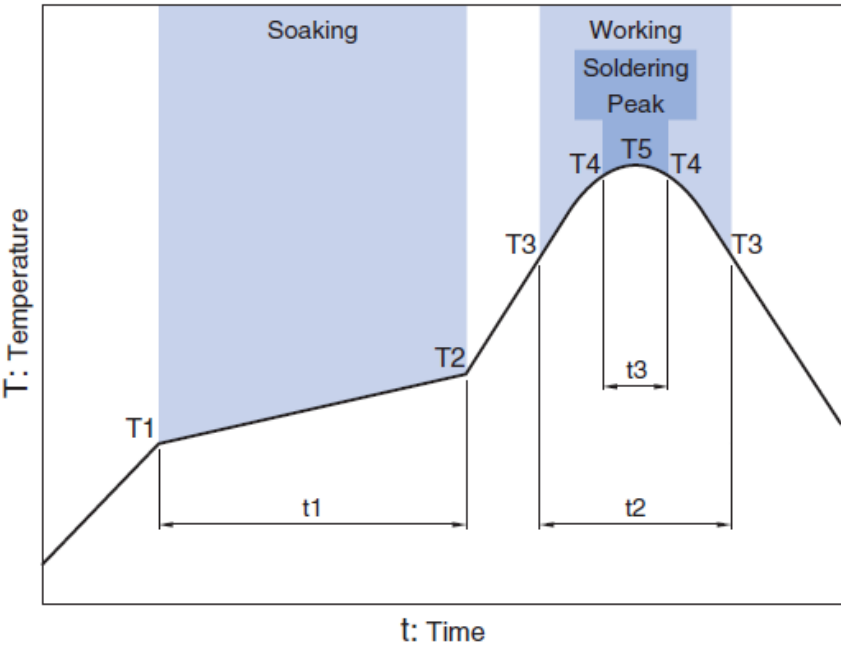
Reel and Taping Specification											
Reel Specification 											
TYPE		SIZE		A	ψ B	ψ C	ψ D	W	ψ M		
1608		7"	4K/Reel	2.0±0.5	13.5±1.0	21±1.0	60±1.0	11.5±2.0	178±2.0		

Taping Specification 											
Packaging	Type	A	B	W	E	F	G	H	T	ψ D	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

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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.

Revision History

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