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Pulse
A YAGEO Company

TECHNICAL DATA SHEET

Description: 1608 Low Pass Filter

PART NUMBER: LPF1608LKRKR0709L

Features:

- Compact size
- RoHS compliant

Applications:

- GSM / WCDMA / LTE



Net weigh/pcs (g): 0.0038

ELECTRICAL SPECIFICATIONS

Item	Frequency Range (MHz)	Min.	Typ.	Max.
Insertion Loss (dB)	617~960	-	0.22	0.3
Return Loss (dB)	617~960	10	22.5	-
Attenuation (dB)	1738~1920	25	28.2	-
	2400~2500	25	42.3	-
	2600~2980	25	39.3	-

Operating Temperature Range：-40~85°C
Power Capacity：3W max.

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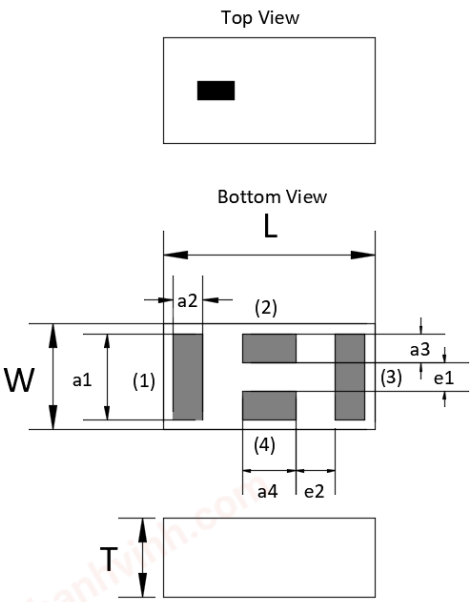
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MECHANICAL DIMENSION

Outline



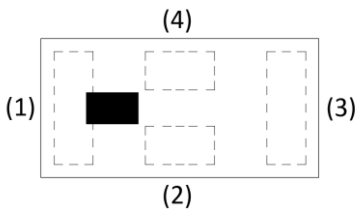
Dimension

L	W	T	a1
1.60±0.10	0.80±0.10	0.60±0.10	0.65±0.10
a2	a3	a4	e1
0.225±0.05	0.22±0.05	0.40±0.05	0.21±0.05
e2			
0.30±0.05			

NOTE：Dimensions in mm.

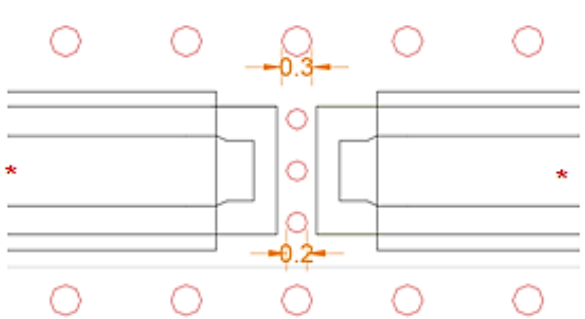
Termination

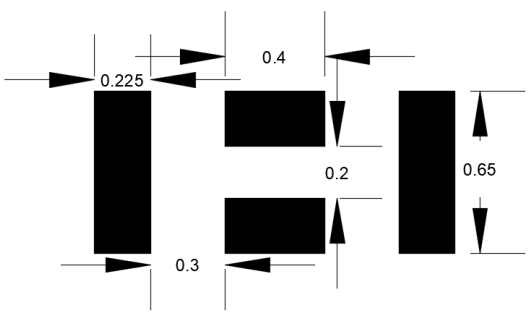
Top view



Terminal name	Function
1	Input / Output
2	GND
3	Output / Input
4	GND

Reference design of EVB





Unit：mm

Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

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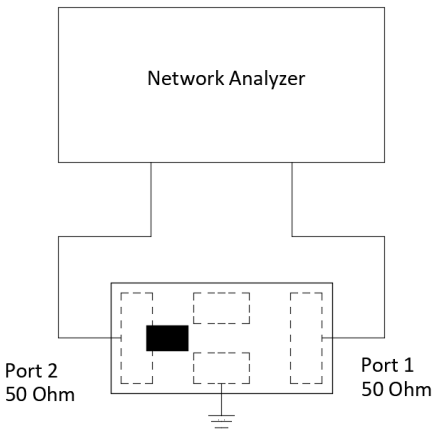
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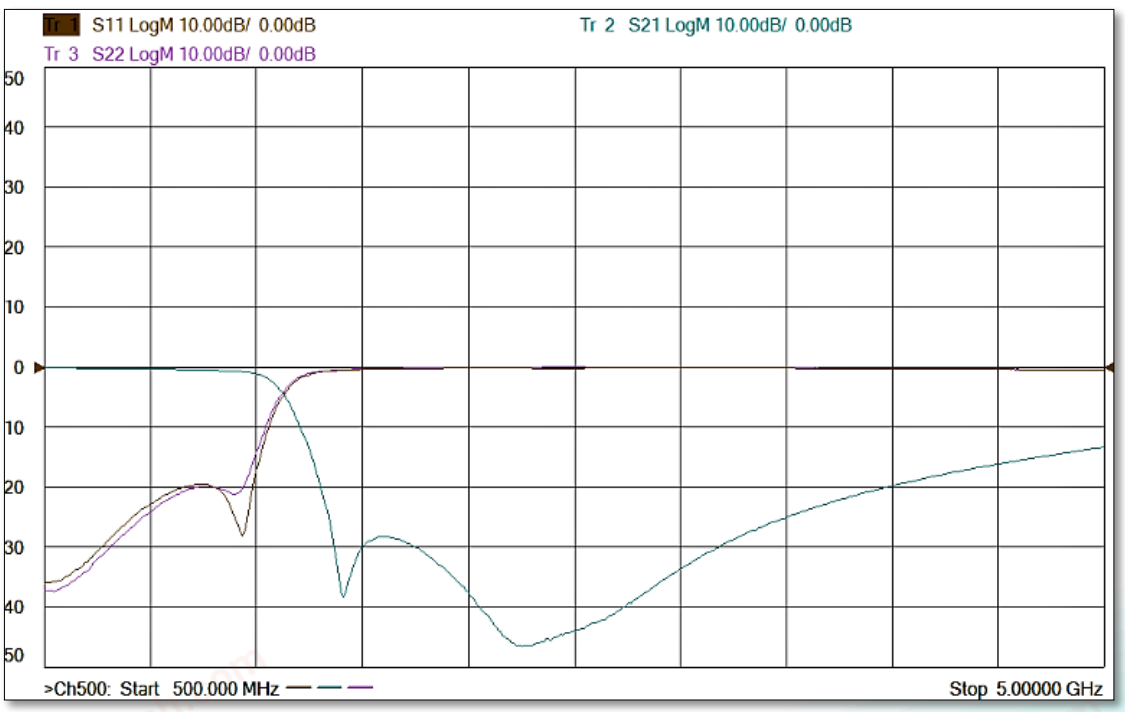
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MEASURING DIAGRAM



Test Instrument：
Agilent E5071C Network Analyzer or equivalent.

ELECTRICAL PERFORMANCES



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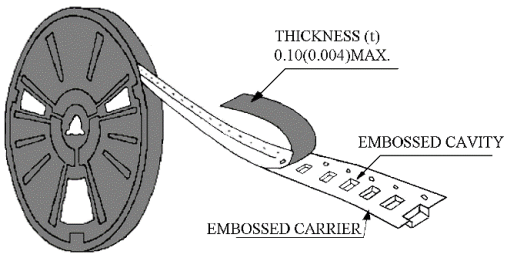
TECHNICAL DATA SHEET

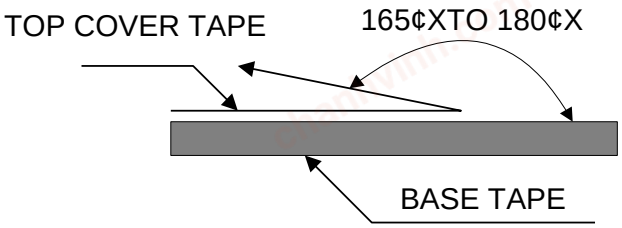
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PACKING SPECIFICATION

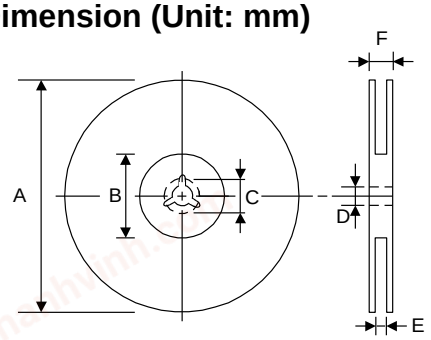
Peel-off force





The force for peeling of cover tape is 10 grams in the arrow direction.

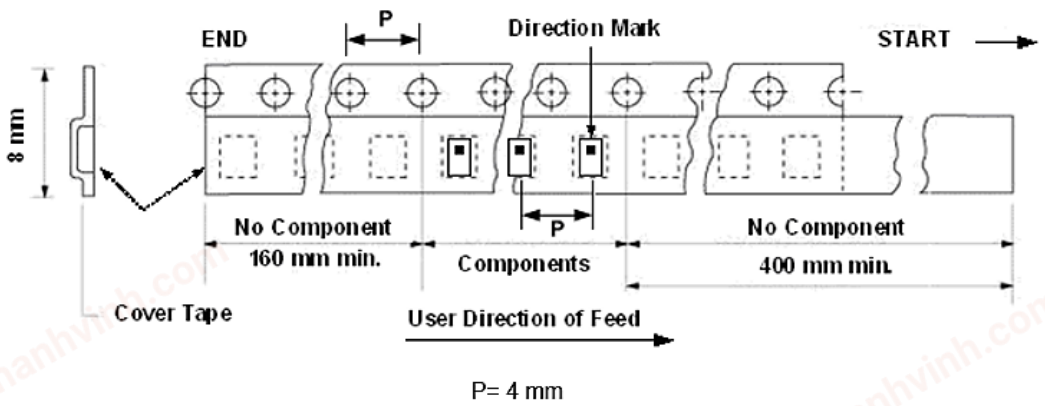
Dimension (Unit: mm)



TYPE	A	B	C	D	E	F
8 mm	178±1	60+0.5 -0	-	13±0.2	9±0.5	12±0.5
12 mm	178±0.3	60±0.2	19.3±0.1	13.5±0.1	13.6±0.1	-

Taping quantity

SERIES	5824 5724	5320 5220	4532	4516	3225	3216 2520	2012 1608	1005 0605
PCS/Reel	5000	3000	1000	2000	2500	3000	4000	10000



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REVISION HISTORY

Revision	Date	Description
Version 1	Feb. 23, 2023	- New issue

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