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Pulse
A YAGEO Company

TECHNICAL DATA SHEET

Description: 1608 Band Pass Filter

PART NUMBER: BPF1608LKQDR5000L

Features:

- Compact Size
- Low loss
- High Soldering Heat Resistance

Applications:

- For 5G application.

ELECTRICAL SPECIFICATIONS

Pass Band (MHZ)	Insertion Loss (dB)		Return Loss (dB)		Attenuation (dB/dB/MHz)		
Freq.	Typ.	Max.	Typ.	Min.	Typ.	Min.	Freq.
5150~5925	0.66	0.85 dB at 25°C 1 dB at -40~85°C	17.7	12	43	33	100~960
					41.5	33	1166~1249
					40.6	33	1427~1610
					39.7	33	1695~2200
					39.7	33	2300~2370
					40	33	2400~2484
					40.2	33	2496~2690
					36.7	30	3400~3800
					30.7	30	7250~7800
					35.9	25	10300~11850
					28.3	25	15450~17775

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

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RoHS COMPLIANT

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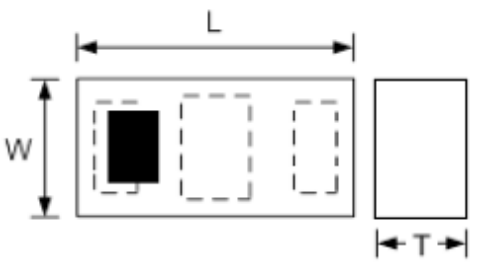
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MECHANICAL DIMENSION

Outline



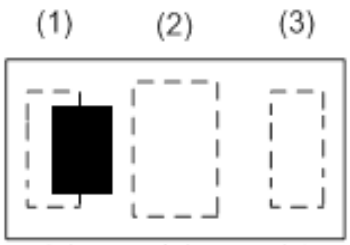
Dimension

L	W	T	a
1.60±0.10	0.80±0.10	0.65 max.	0.25±0.10
b	c	d	e
0.23±0.10	0.40±0.10	0.55±0.10	0.60±0.10

NOTE：Dimensions in mm.

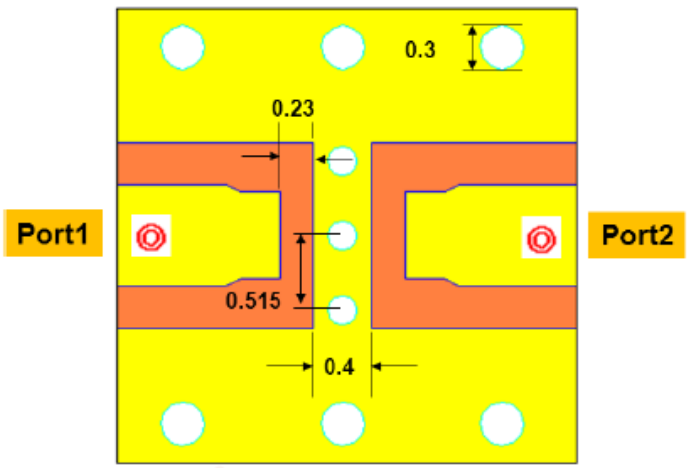
Termination

Top View

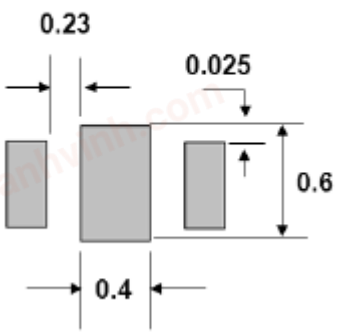


Terminal name	Function
1	Input / Output
2	GND
3	Input / Output

Reference design of EVB



Land Pattern



Unit：mm

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

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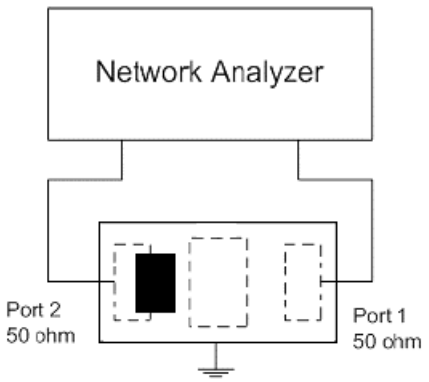
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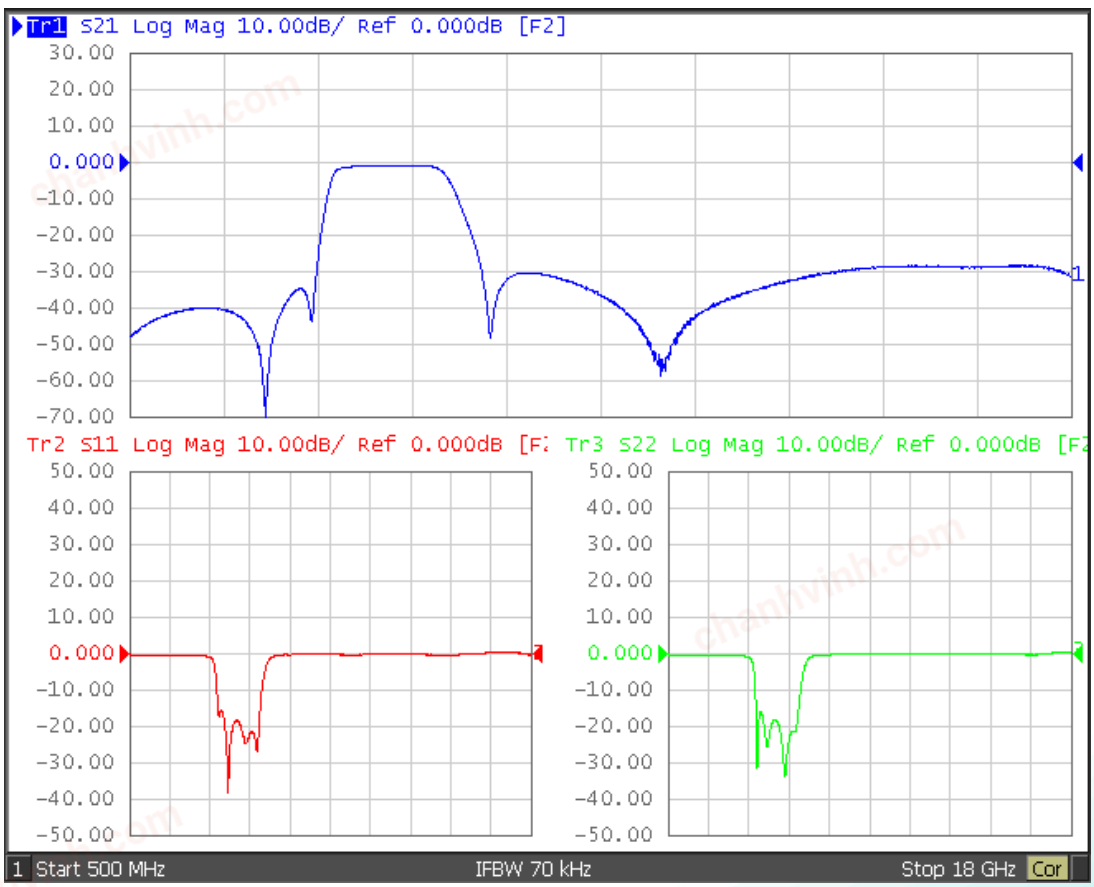
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MEASURING DIAGRAM



Test Instrument：
Agilent E5071C Network Analyzer.

ELECTRICAL PERFORMANCES



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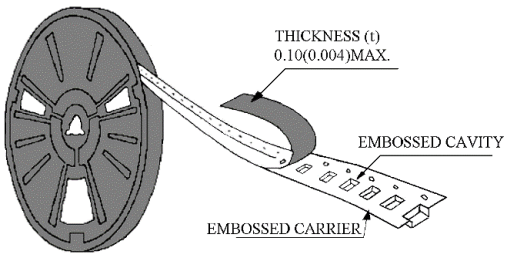
TECHNICAL DATA SHEET

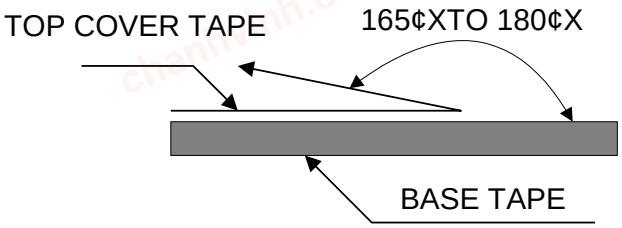
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PACKING SPECIFICATION

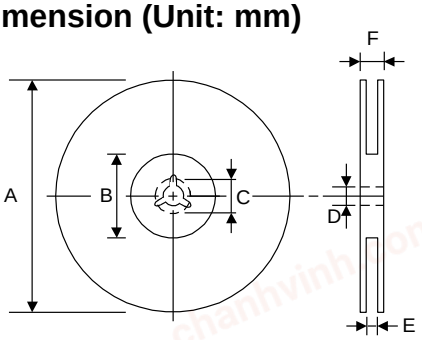
Peel-off force





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

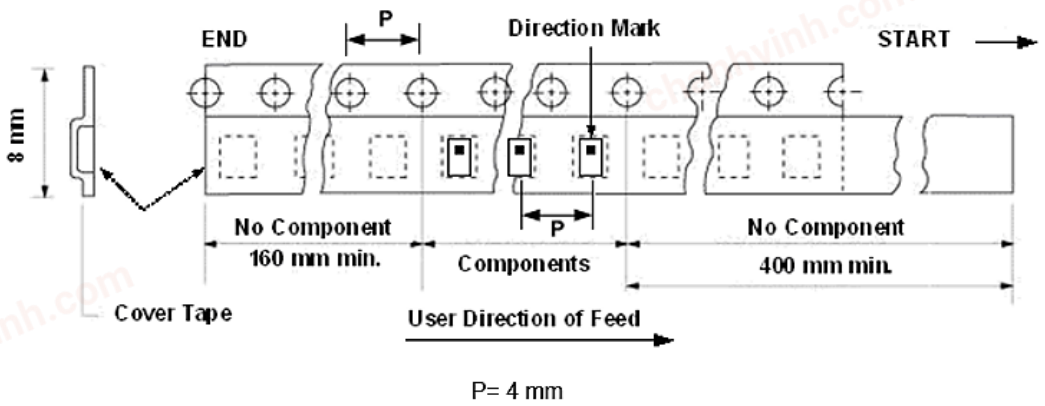
Dimension (Unit: mm)



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	Mar. 01, 2022	- New issue

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