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TECHNICAL DATA SHEET

Description: 1608 Diplexer

PART NUMBER: DPX1608LWFPR2455L

Features:

- Compact Size
- Low loss
- High Soldering Heat Resistance

Applications:

- LTE

ELECTRICAL SPECIFICATIONS

Item	Frequency Range	Insertion Loss	Return Loss	Stop-Band Attenuation
Common to Low Freq. Port	2400~2500 MHz	0.4 dB max.	12.74 dB min.	20 dB min. at 4900~5850 MHz
Common to High Freq. Port	4900~5850 MHz	0.6 dB max.	10.16 dB min.	20 dB min. at 2400~2500 MHz
Common Port	2400~2500 MHz	-	12.74 dB min.	-
	4900~5850 MHz	-	10.16 dB min.	-

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

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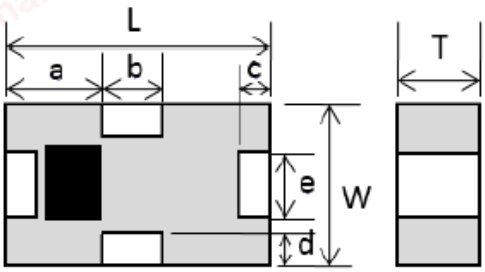
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MECHANICAL DIMENSION

Outline



Dimension

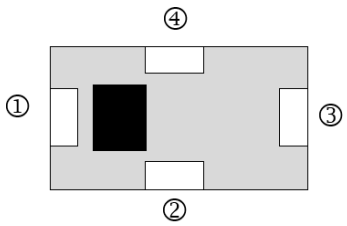
L	W	T	a
1.60±0.10	0.80+0.20 -0.10	0.60+0.05 -0.10	0.65±0.15
b	**c**	**d**	**e**
0.30+0.10 -0.15	0.15±0.10	0.15±0.10	0.30+0.10 -0.15

NOTE：Dimensions in mm.



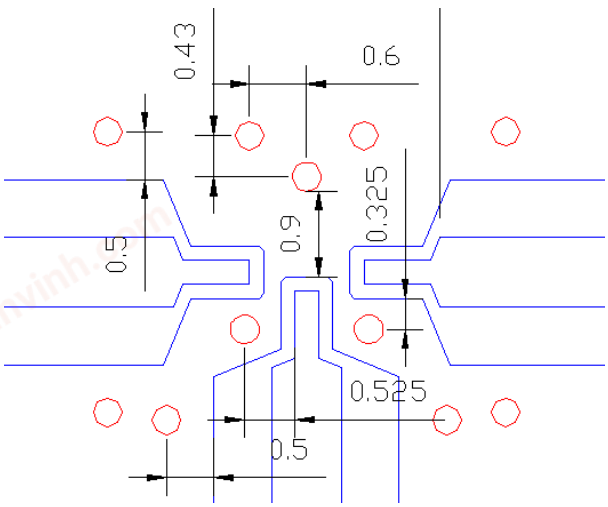
Termination

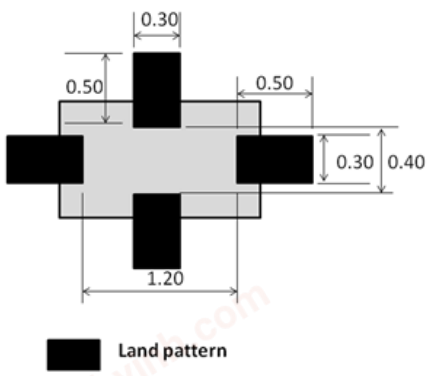
Top View



Terminal name	Function
1	High band
2	Common
3	Low band
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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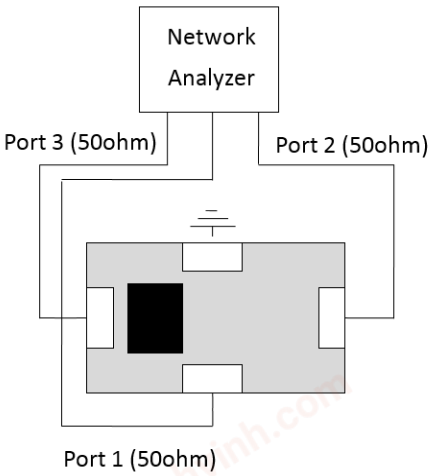
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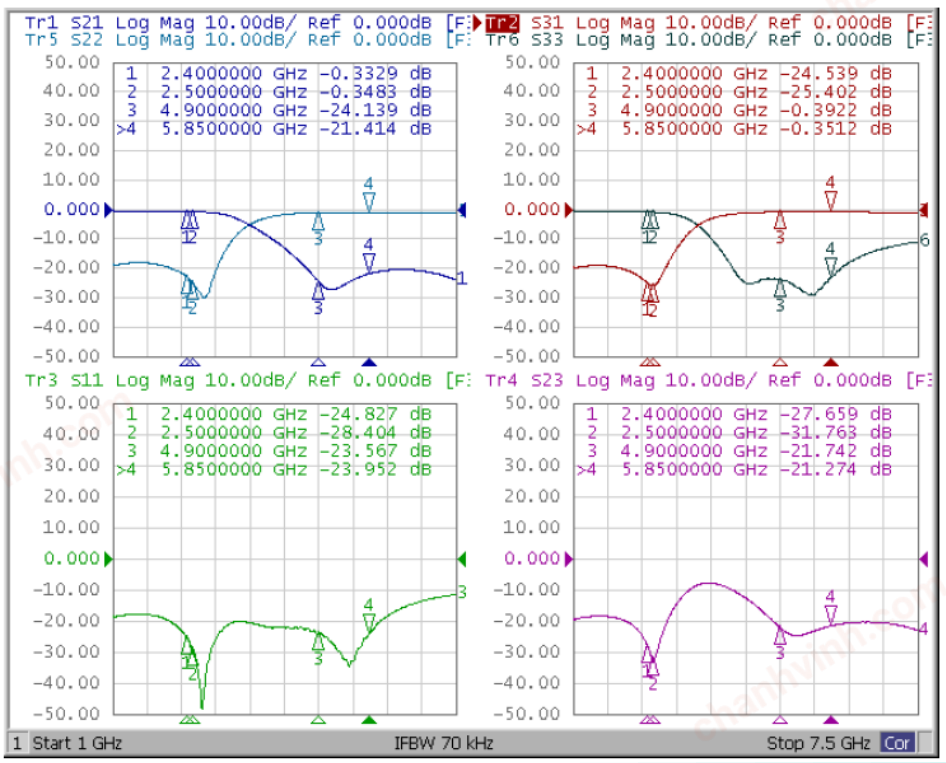
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MEASURING DIAGRAM



Test Instrument：
Agilent E5071C Network Analyzer or equivalent.

ELECTRICAL PERFORMANCES



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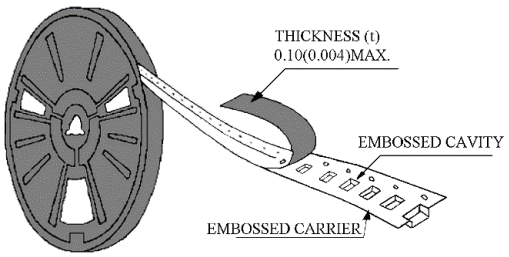
TECHNICAL DATA SHEET

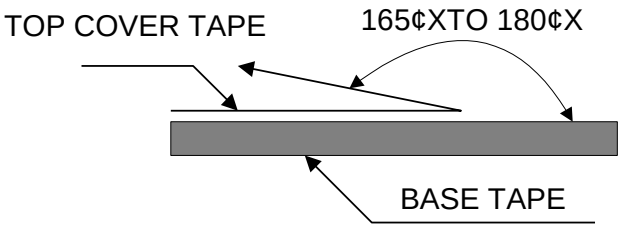
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PACKING SPECIFICATION

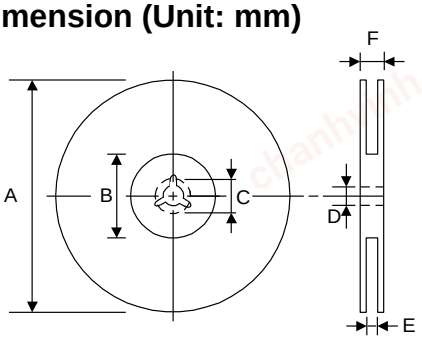
Peel-off force





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

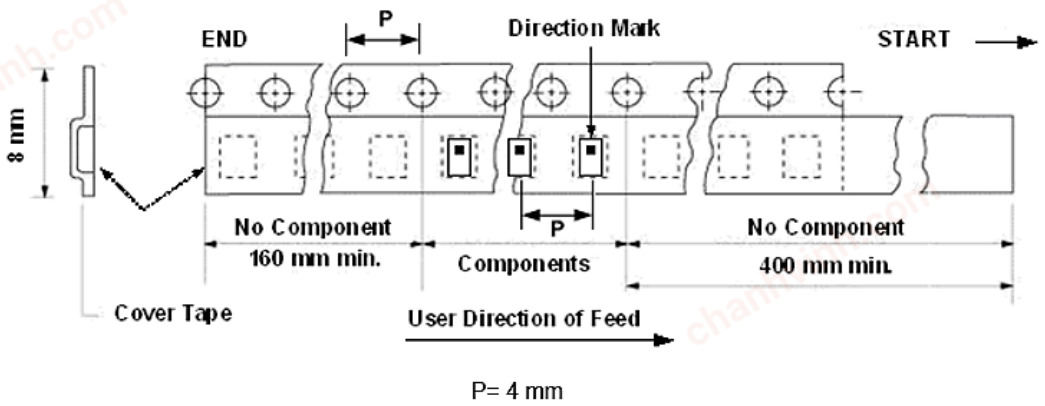
Dimension (Unit: mm)



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	Jun. 22, 2022	- New issue

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