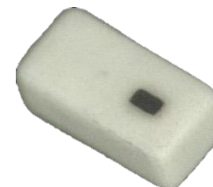


Description: 1608 Diplexer
PART NUMBER: DPX1608LKU5R2455A
Features:

- Compact Size
- RoHS compliant

Applications:

- For wireless application



Net weigh/pcs (g): 0.00433

ELECTRICAL SPECIFICATIONS
Low-Band

Item	Frequency Range (MHz)	Min.	Typ.	Max.
Insertion Loss (dB)	2400~2500	-	0.66	0.75
Insertion Loss (dB) at -40~85°C	2400~2500	-	-	0.90
Return Loss (dB)	2400~2500	13	22.7	-
Attenuation (dB)	1200~1250	10	16.1	-
	1570~1600	10	16.2	-
	4800~6000	25	32.0	-
	7200~7500	25	34.6	-
	9600~10000	25	41.5	-

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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For more information:

 Pulse Worldwide Headquarters
 15255 Innovation Drive #100
 San Diego, CA 92128
 USA
 Tel: 1-858-674-8100

 Pulse/Larsen Antennas
 18110 SE 34th St Bldg 2 Suite 250
 Vancouver, WA 98683
 USA
 Tel: 1-360-944-7551

 Europe Headquarters
 Pulse GmbH & Do, KG
 Zeppelinstrasse 15
 Herrenberg, Germany
 Tel: 49 7032 7806 0

 Pulse (Suzhou) Wireless Products Co, Inc.
 99 Huo Ju Road(#29 Bldg, 4th Phase
 Suzhou New District
 Jiangsu Province, Suzhou 215009 PR China
 Tel: 86 512 6807 9998


Description: 1608 Diplexer

PART NUMBER: DPX1608LKU5R2455A

ELECTRICAL SPECIFICATIONS

High-Band

Item	Frequency Range (MHz)	Min.	Typ.	Max.
Insertion Loss (dB)	4900~5100	-	1.16	1.5
	5150~5950	-	0.99	1.2
Insertion Loss (dB) at -40~85°C	4900~5100	-	-	1.7
	5150~5950	-	-	1.4
Return Loss (dB)	4900~5100	13	19.7	-
	5150~5950	13	21.0	-
Attenuation (dB)	1610~2000	30	45.0	-
	2400~2500	28	42.0	-
	3300~3800	30	34.6	-
	9800~12000	20	30.1	-
	14200~18000	20	28.2	-

Common

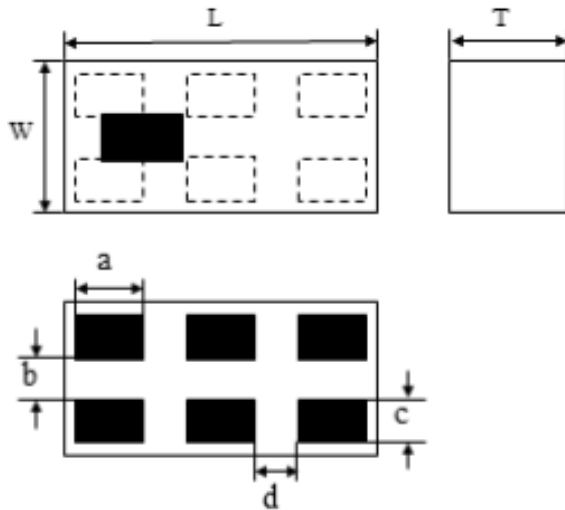
Item	Frequency Range (MHz)	Min.	Typ.	Max.
Return Loss (dB)	2400~2500	13	24.2	-
	4900~5950	13	20.1	-

Isolation

Item	Frequency Range (MHz)	Min.	Typ.	Max.
Low to High (dB)	2400~2500	30	42.5	-
	4800~6000	25	31.7	-
	15000~18000	18	20.9	-

Operating Temperature Range : -40~85°C

Power Capacity : 3W max.

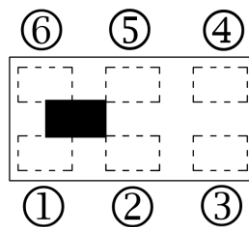
Description: 1608 Diplexer
PART NUMBER: DPX1608LKU5R2455A
MECHANICAL DIMENSION
Outline

Dimension

L	W	T	A
1.60±0.10	0.80±0.10	0.70 max.	0.35±0.05
B	C	D	
0.22±0.05	0.225±0.05	0.22±0.05	

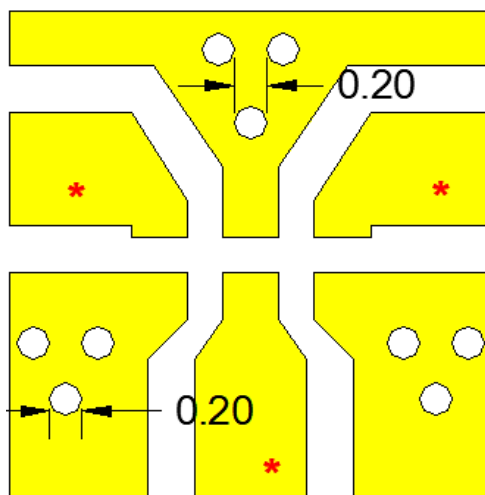
NOTE : Dimensions in mm.

Termination

Top View


Terminal name
Function

1	Low band
2	GND
3	High band
4	GND
5	Common
6	GND

Reference design of EVB


Unit : mm

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

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

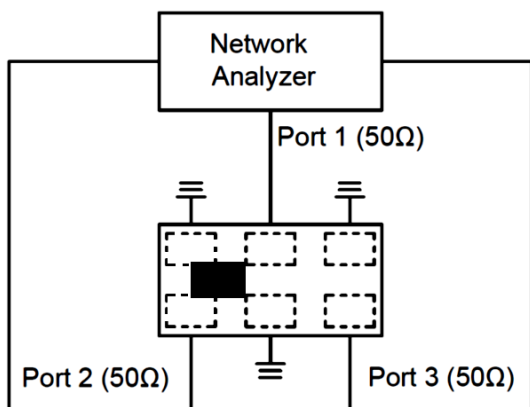
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Description: 1608 Diplexer

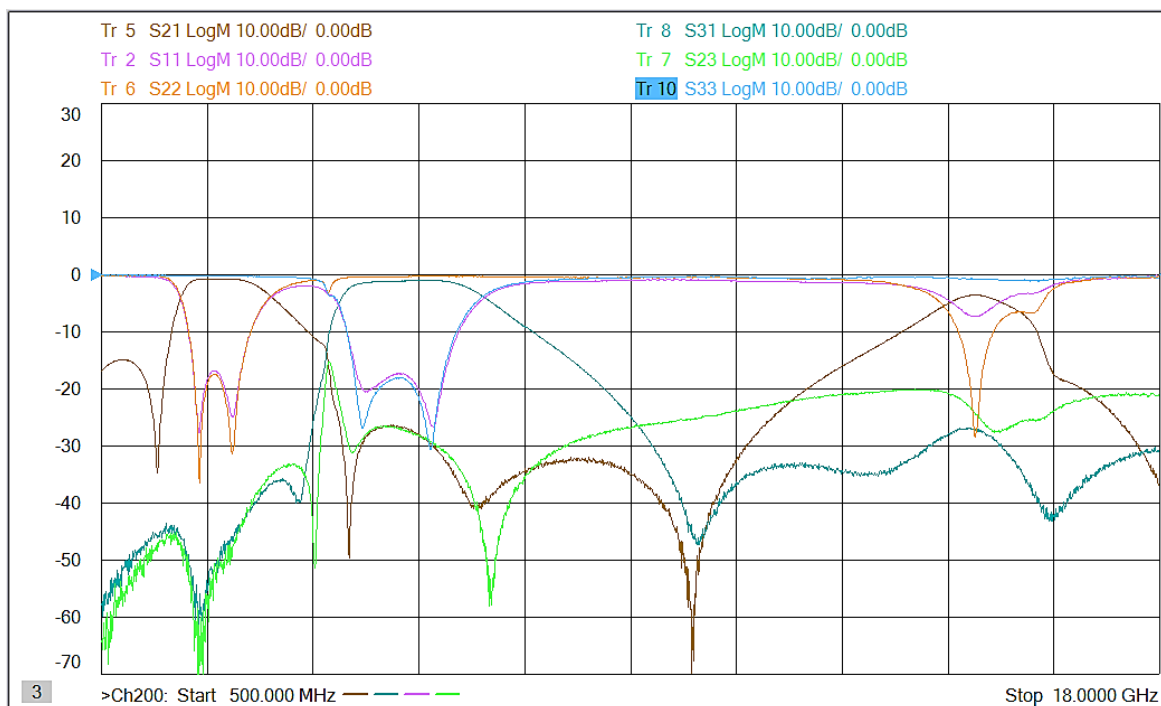
PART NUMBER: DPX1608LKU5R2455A

MEASURING DIAGRAM



Test Instrument :
Agilent E5071C Network Analyzer or equivalent.

ELECTRICAL PERFORMANCES



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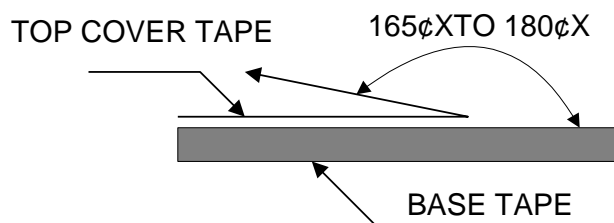
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Description: 1608 Diplexer

PART NUMBER: DPX1608LKU5R2455A

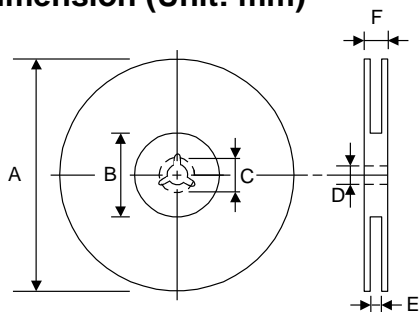
PACKING SPECIFICATION

Peel-off force



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

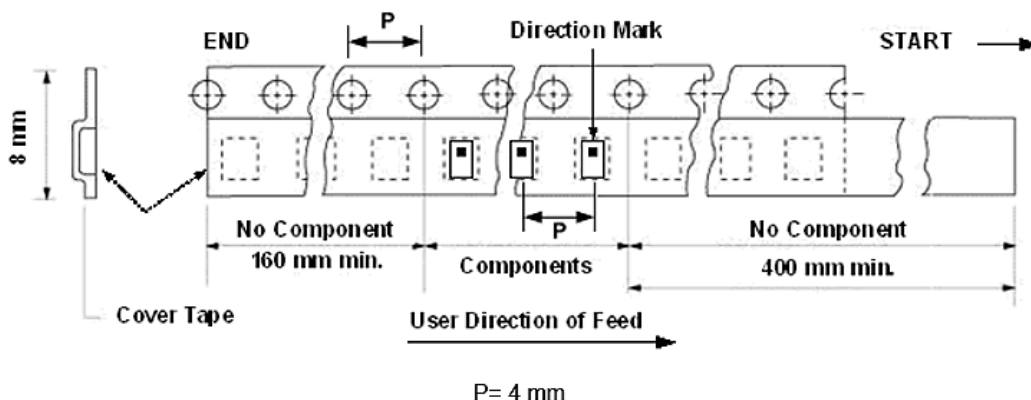
Dimension (Unit: mm)



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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Description: 1608 Diplexer**PART NUMBER:** DPX1608LKU5R2455A**REVISION HISTORY**

Revision	Date	Description
Version 1	Mar. 24, 2022	- New issue

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[0868BM15G0027E](#) [0868LP15A020E](#) [0892DP14A1850T](#) [0896BM15A0001E](#) [0896BM15A0032E](#) [0896BM15E0025E](#) [0896FB15A0100E](#)
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[1905BP18A0050E](#) [1E1305-3](#)