

Description: 2012 Diplexer

PART NUMBER: DPX2012LKHHR1931L

Features:

- Compact Size
- Low loss
- High Soldering Heat Resistance

Applications:

- LTE

ELECTRICAL SPECIFICATIONS

Low-Band

Item	Frequency Range(MHz)	Min.	Typ.	Max.
Insertion Loss (dB)	1710~1980	-	0.80	1.00
	2110~2170	-	1.00	1.30
	2170~2180	-	1.10	1.40
	2180~2200	-	1.35	1.85
Return Loss (dB)	1710~2200	10	13.0	-
Attenuation (dB)	2496~2500	10	14.5	-
	2500~2690	11	15.0	-

High-Band

Item	Frequency Range(MHz)	Min.	Typ.	Max.
Insertion Loss (dB)	2496~2500	-	1.05	1.35
	2500~2690	-	1.00	1.30
	3300~3550	-	0.40	0.80
	3550~3700	-	0.30	0.80
	3700~3800	-	0.30	0.80
Return Loss (dB)	2496~3800	10	18.0	-
Attenuation (dB)	1710~1980	11	13.5	-
	2110~2170	11	16.5	-
	2170~2180	10	15.5	-
	2180~2200	8	13.5	-

Common

Item	Frequency Range(MHz)	Min.	Typ.	Max.
Return Loss (dB)	1710~2200	10	13.0	-
	2496~3800	10	18.0	-

Operating Temperature Range : -40~85°C

Power Capacity : 3W max.

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

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



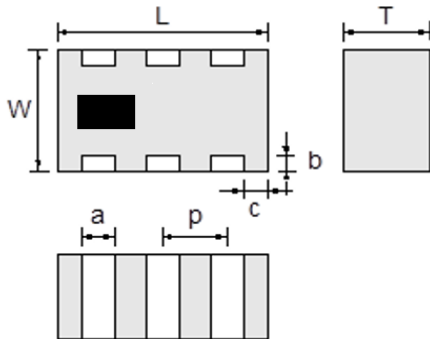
Description: 2012 Diplexer

PART NUMBER: DPX2012LKHHR1931L

MECHANICAL DIMENSION

Outline

Dimension

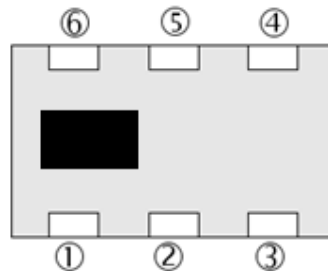


L	W	T	a
2.00±0.15	1.25±0.15	0.90±0.10	0.30±0.15
b	c	p	
0.20±0.15	0.20±0.15	0.65±0.15	

NOTE : Dimensions in mm.

Termination

Top View

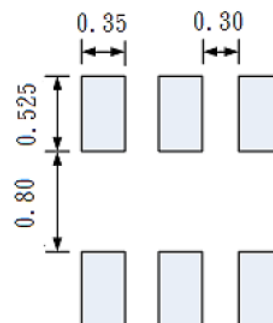
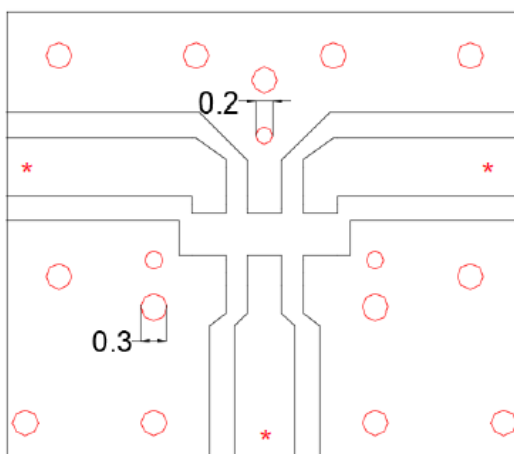


Terminal name

Function

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

Recommended Land Pattern



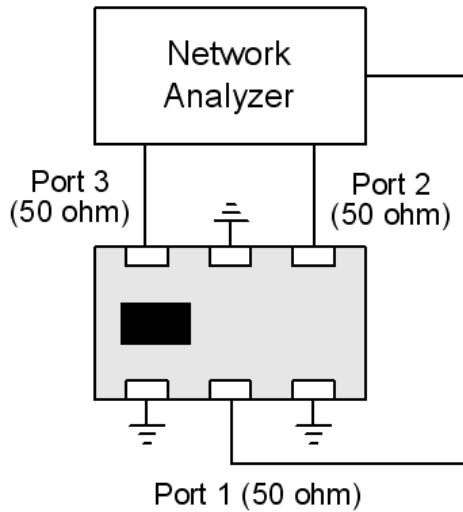
Unit : mm

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

Description: 2012 Diplexer

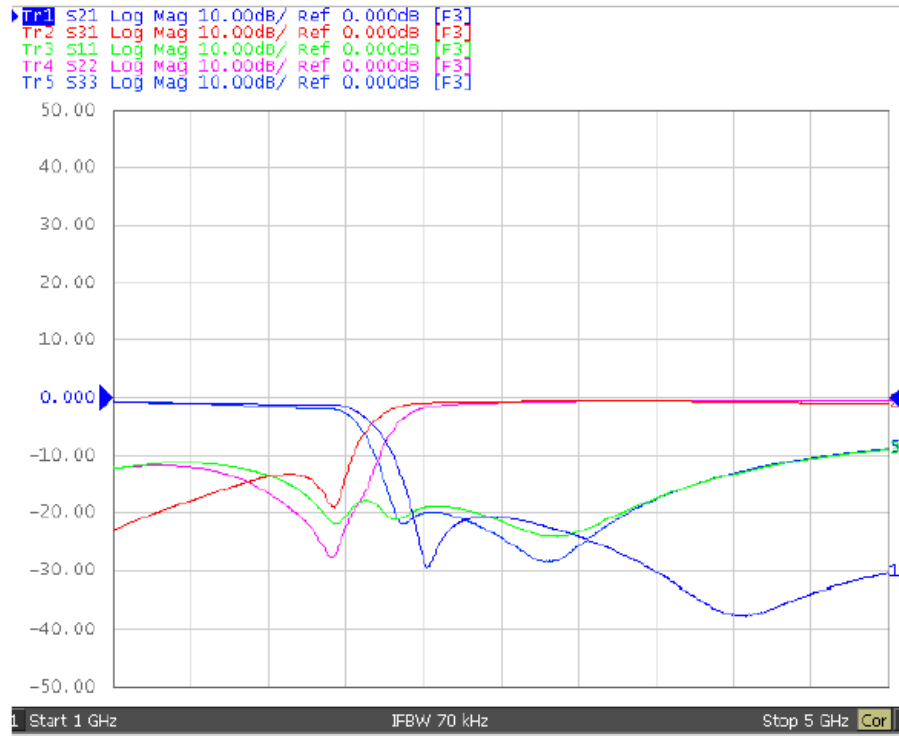
PART NUMBER: DPX2012LKHHR1931L

MEASURING DIAGRAM



Test Instrument :
Agilent E5071C Network Analyzer or equivalent.

ELECTRICAL PERFORMANCES



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

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: 2012 Diplexer

PART NUMBER: DPX2012LKHHR1931L

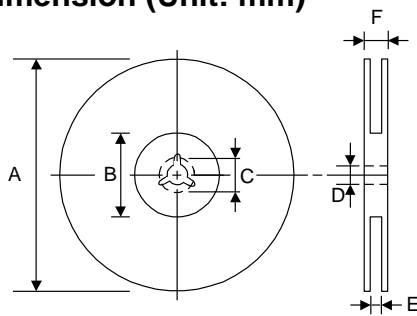
PACKING SPECIFICATION

Peel-off force



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

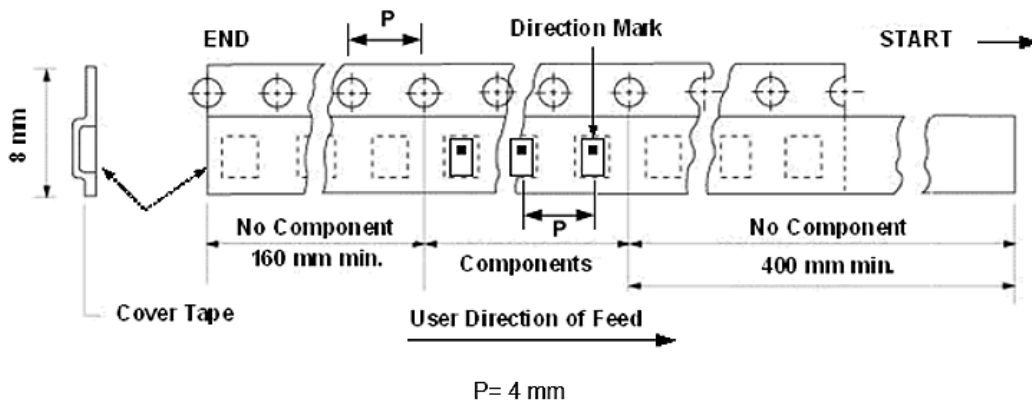
Dimension (Unit: mm)



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



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

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: 2012 Diplexer**PART NUMBER: DPX2012LKHHR1931L****REVISION HISTORY**

Revision	Date	Description
Version 1	Feb. 23, 2022	- New issue