

Description: 2012 Diplexer

PART NUMBER: DPX2012LKWKR2460L
(Preliminary)

Features:

- Compact size
- Low loss
- High Soldering Heat Resistance

Applications:

- WLAN, 802.11a/b/g/n/ac/ax
- ISM Band

ELECTRICAL SPECIFICATIONS

Item	Frequency Range	Insertion Loss (dB)	VSWR	Attenuation (dB)
Low Band	2400~2500	0.8 typ.	2 max.	34 typ. at 1560~1606 MHz 42 typ. at 4800~5000 MHz 39 typ. at 7200~7500 MHz
High Band	5150~7150	0.6 typ.	2 max.	34 typ. at 2400~2500 MHz 18 typ. at 10300~14300 MHz 16 typ. at 15450~21450 MHz
Common	2400~2500	-	2 max.	-
	5150~7150		2 max.	

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.

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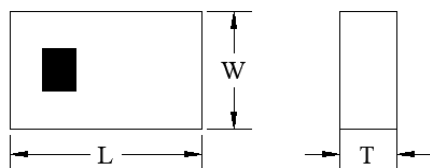
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MECHANICAL DIMENSION

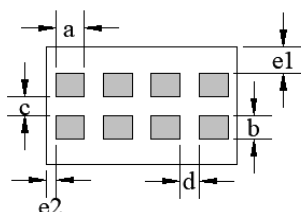
Outline



Dimension

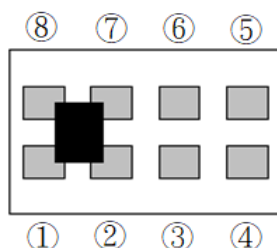
L	W	T	a
2.00±0.15	1.25±0.15	0.80±0.10	0.30±0.10
b	c	d	e1
0.25±0.10	0.20±0.10	0.20±0.10	0.275±0.10
e2			
0.10±0.10			

NOTE : Dimensions in mm.



Termination

Top View

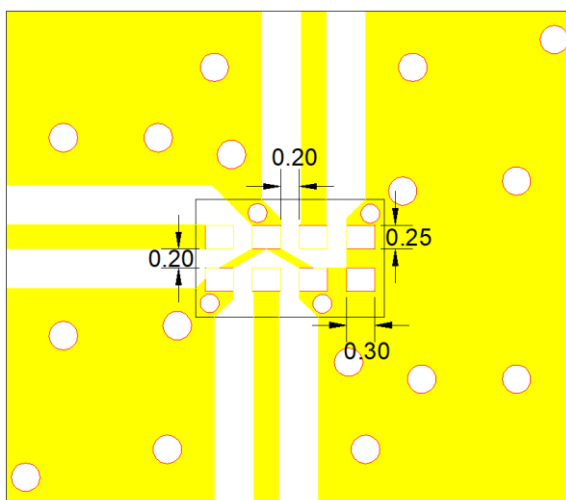


Terminal name

Function

1	GND
2	GND
3	Common
4	GND
5	High band
6	GND
7	Low band
8	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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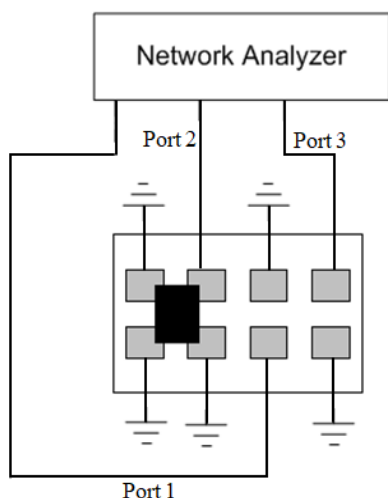
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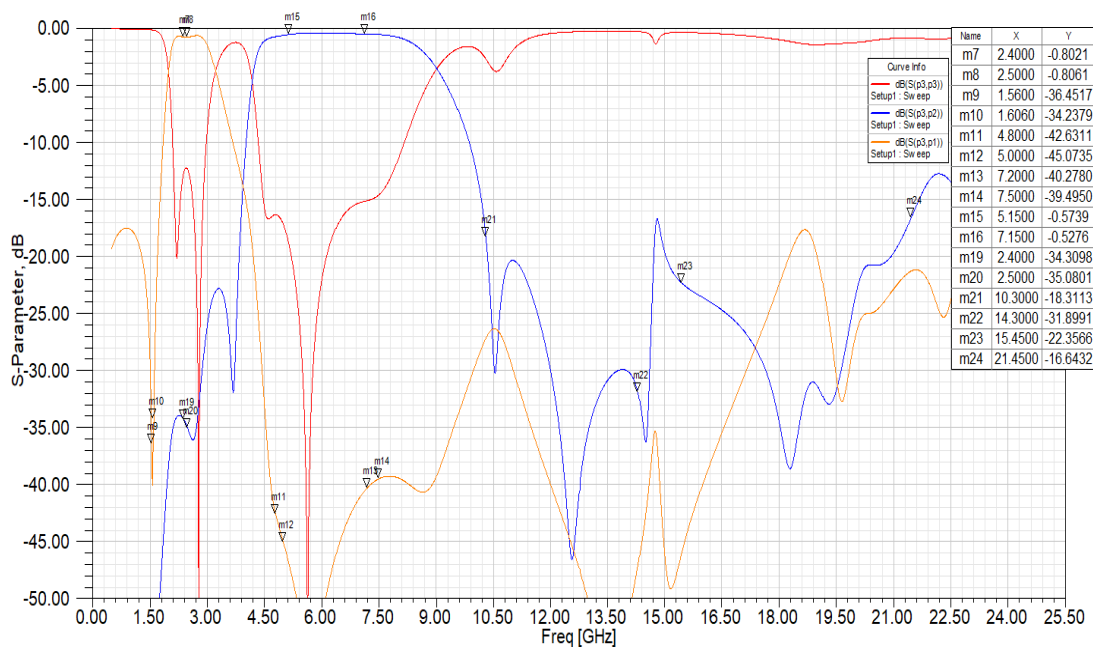
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MEASURING DIAGRAM



Test Instrument :
Agilent E5071A Network Analyzer

ELECTRICAL PERFORMANCES



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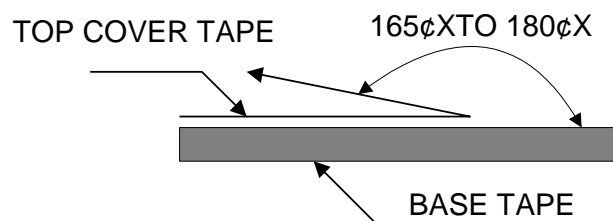
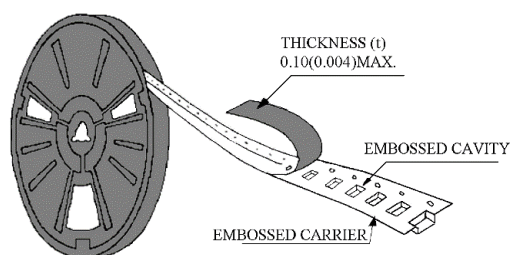
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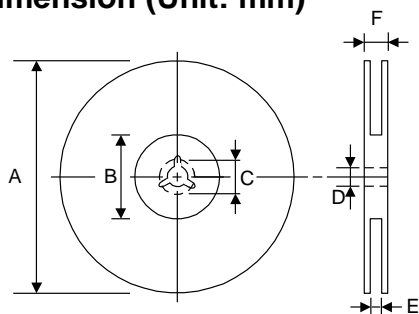
PACKING SPECIFICATION

Peel-off force



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

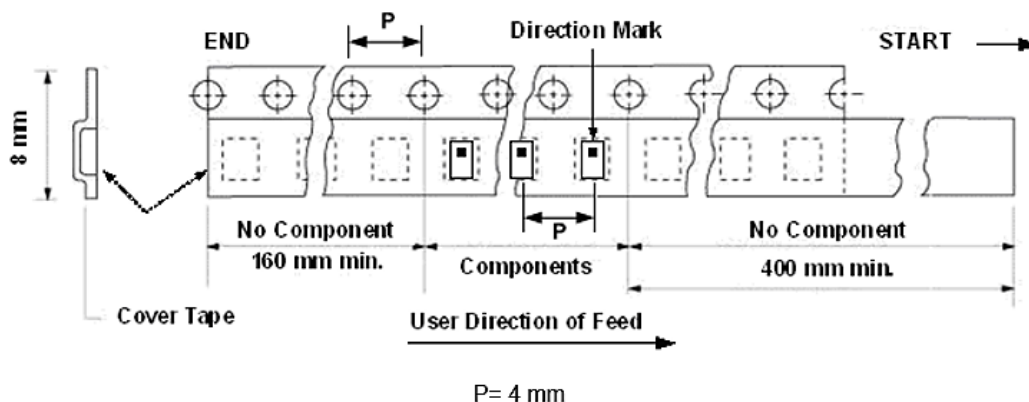
Dimension (Unit: mm)



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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Description: 2012 Diplexer**PART NUMBER:** DPX2012LKWKR2460L
(Preliminary)**REVISION HISTORY**

Revision	Date	Description
Version 1	Apr. 18, 2023	- New issue

Mouser Electronics

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