

Description: 1608 Diplexer

PART NUMBER: DPX1608LKFBR2460A (Preliminary)

Features:

Applications:

Compact Size

• WLAN

- Low loss
- High Soldering Heat Resistance

ELECTRICAL SPECIFICATIONS

Low-Band Item Frequency Range (MHz) Typ. Max. Min. Insertion loss (dB) 2400~2500 0.62 0.8 _ Return loss (dB) 2400~2500 10 19.7 -30~1000 8 13.1 4800~7125 33 38.5 -Attenuation (dB) 7200~7500 33 39.3 -7700~7950 33 47.2 _ 7500~12000 15 24.8 _

High-Band

Item	Frequency Range (MHz)	Min.	Тур.	Max.
Insertion loss (dB)	5150~7125	-	0.92	1.2
Return loss (dB)	5150~7125	-		
Attenuation (dB)	100~1000	35	60.6	-
	1000~2300	35	47.3	-
	2400~2500	35	47.6	-
	2700~3500	20	26.6	-
	10300~14250	20	28.3	-
	14700~20000	10	16.1	-

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

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ELECTRICAL SPECIFICATIONS

 Item
 Frequency Range (MHz)
 Min.
 Typ.
 Max.

 Return loss (dB)
 2400~2500
 10
 21.6

 5150~7125
 10

Isolation

Item	Frequency Range (MHz) Min. Typ. 2400~2500 35 46.6 4800~7125 33 40.0		Max.	
	2400~2500	35	46.6	-
HB to LB (dB)	4800~7125	33	40.0	-
	10300~14250	-	28.5	-
	15450~20000	-	19.7	-

*Impedance for high-band = Match to client's chipset Operating Temperature Range : -40~85°C

Power Capacity : 3W max.

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MECHANICAL DIMENSION

Outline	Dimension	L	W	Т	а
<u> </u>	Dimension	∟ 1.60±0.10	0.80±0.10	0.70 max.	0.20±0.10
w		b	С	g	р
↓└────」‡◦ └──		0.20±0.15	0.15±0.10	0.30±0.10	0.50±0.05
agpb ++ ++			N	OTE : Dimen	sions in mm.
	Termination				
	Top View	Tormin	al name		Eurotion
	3 2 1	1 1	ai name		Function Low band
6.06.0		2			GND
		3			High band
DODO		4 5			GND Common
E al a	4 5 6	6			GND
	Reference desig	n of EVB			
\bigcirc	\cap				
\sim \circ	0 0		0.25		
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	200 0			0.4	5
				-	
			0.25		
	*		Land	pattern	

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. CONFIDENTIAL AND PROPRIETARY INFORMATION

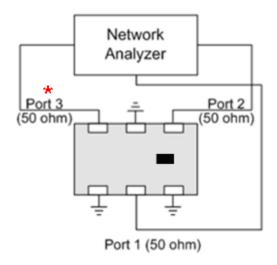
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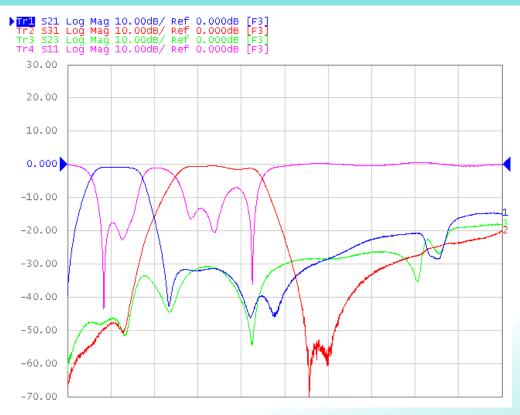
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MEASURING DIAGRAM



Test Instrument : Agilent E5071C Network Analyzer or equivalent. *Impedance for high-band = Match to client's chipset

ELECTRICAL PERFORMANCES



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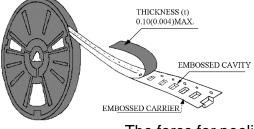


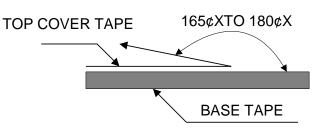
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PACKING SPECIFICATION

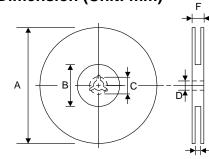
Peel-off force





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

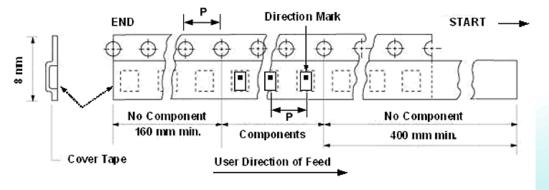
Dimension (Unit: mm)



ТҮРЕ	A	В	С	D	Е	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	
Preliminary	Feb. 16, 2023	- New issue	

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