THE DATASHEET OF

DPX1608LL83R2455A

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description: 1608 2.4G&5GHz Diplexer

PART NUMBER: DPX1608LL83R2455A

Features:

- Compact size : 1.6x0.8x0.6mm
- RoHS compliant

Applications:

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

ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value	
Pass Band	Low Band	High Band
	2400 ~ 2500 MHz	4900 ~ 5950 MHz
Insertion Loss	0.5 dB (Max.)	1.0 dB (Max.)
Return Loss	10dB (Min.)	10dB (Min.)
Attenuation	25 dB(Min).@4800 ~ 5000 MHz 25 dB(Min).@7200 ~ 7500 MHz	32 dB(Min). @ 30 ~ 2700 MHz 15 dB(Min). @ 9800 ~ 11900 MHz 11 dB(Min). @ 14700 ~ 17850 MHz
Operating Temperature	-40 ~ 85℃	

RoHS COMPLIANT

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

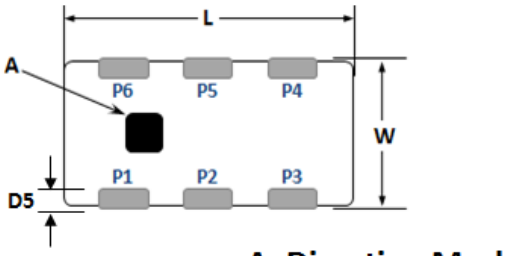
Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

Description: 1608 2.4G&5GHz Diplexer

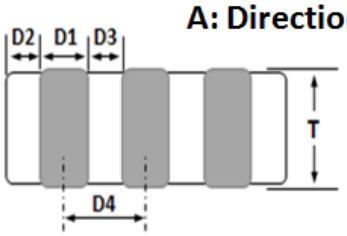
PART NUMBER: DPX1608LL83R2455A

MECHANICAL DIMENSION

Outline



A: Direction Mark



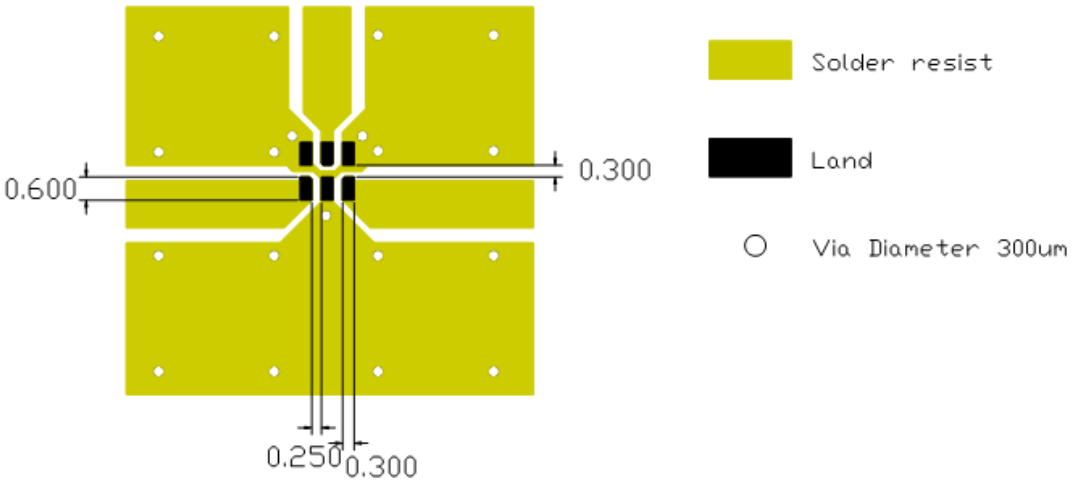
Termination

Terminal name	Function
P1	GND
P2	Common
P3	GND
P4	High band
P5	GND
P6	Low band

Mechanical

	Dimension
L (mm)	1.60±0.15
W (mm)	0.80±0.15
T (mm)	0.60±0.15
D1 (mm)	0.20±0.10
D2 (mm)	0.20±0.15
D3 (mm)	0.30±0.10
D4 (mm)	0.50±0.05
D5 (mm)	0.15±0.10

Reference design of EVB



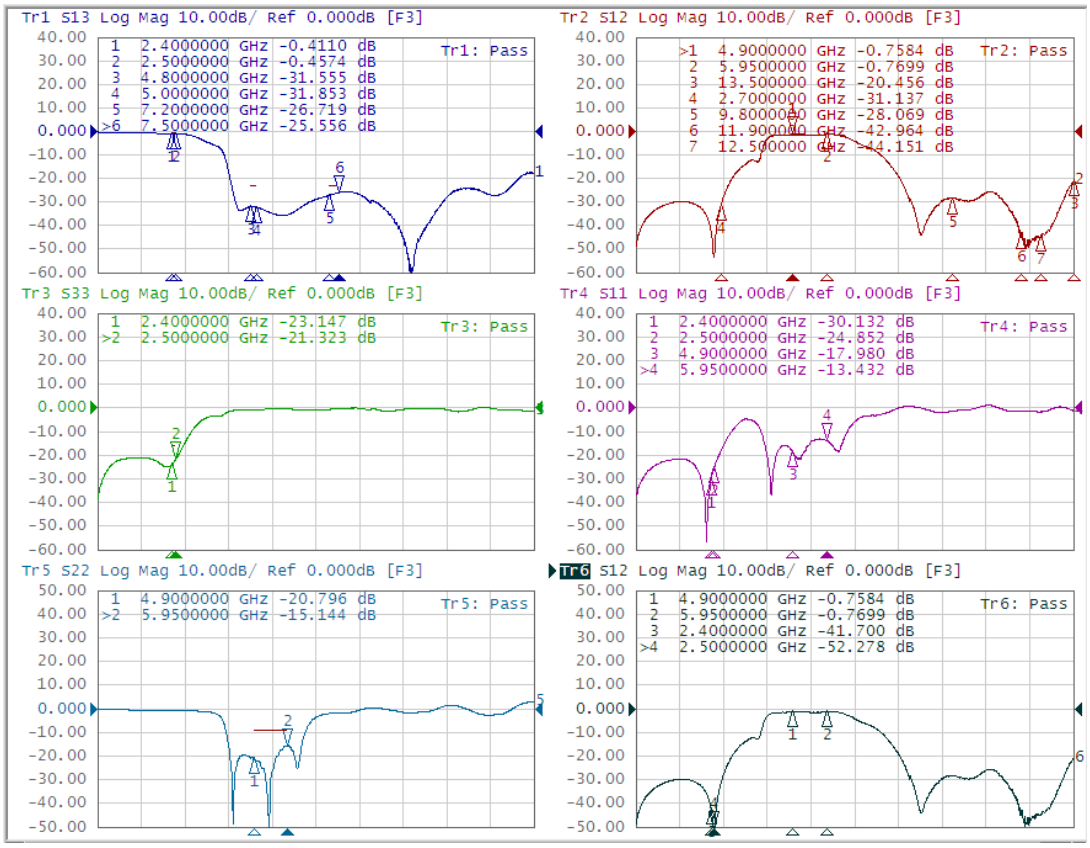
Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

RoHS COMPLIANT

Description: 1608 2.4G&5GHz Diplexer

PART NUMBER: DPX1608LL83R2455A

ELECTRICAL PERFORMANCES



- Measured on Agilent E5071C Network Analyzer
- Common port : Port 1 (Return loss : S22)
- Low band port : Port 3 (Low band Insertion loss S13, and attenuation at high band)
- High band port : Port 2 (High band Insertion loss S12, and attenuation at low band)

Frequency Characteristics

RoHS COMPLIANT

Description: 1608 2.4G&5GHz Diplexer

PART NUMBER: DPX1608LL83R2455A

REVISION HISTORY

Revision	Date	Description
Version 1	Oct. 06, 2020	- New issue

RoHS COMPLIANT

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- View DPX1608LL83R2455A on WIN SOURCE
- Pulse Information

Optimize Your Supply Chain with WIN SOURCE Solutions

- Global Sourcing Solution
- Obsolete Management
- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management