

Description: 1608 0.9G&1.7GHz Diplexer
PART NUMBER: DPX1608LM70R0917A
Features:

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

Applications:

- LTE (0.7~2.7GHz)

ELECTRICAL SPECIFICATIONS

DESCRIPTION	VALUE	
Pass Band	Low Band	High Band
	698-960 MHz	1710-2700 MHz
Insertion Loss	0.8dB(Max)	0.7dB(Max)
V.S.W.R / Return-Loss	2.0 (Max) / 10.0 dB (Min)	2.0 (Max) / 10.0 dB (Min)
Attenuation	25dB (Min). @1710~2700GHz	20dB (Min). @698~960 MHz 20dB (Min). @5150~5850 MHz
Isolation	20dB (Min). @698~960 MHz 25dB (Min). @1710~2700 MHz	
Operating Temperature	-40~+85°C	

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

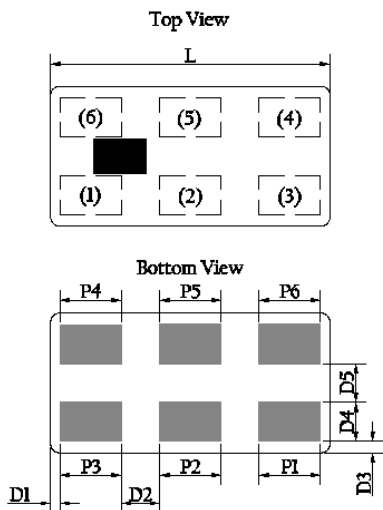


Description: 1608 0.9G&1.7GHz Diplexer

PART NUMBER: DPX1608LM70R0917A

MECHANICAL DIMENSION

Outline



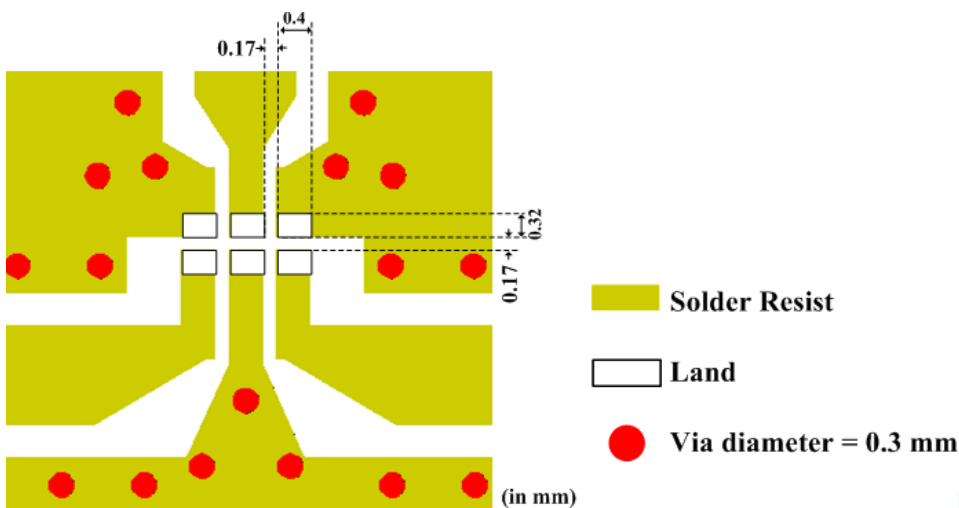
Termination

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

Mechanical

	Dimension
L (mm)	1.60 ± 0.15
W (mm)	0.80 ± 0.15
T (mm)	0.60 ± 0.15
P1 (mm)	0.35 ± 0.10
P2 (mm)	0.35 ± 0.10
P3 (mm)	0.35 ± 0.10
P4 (mm)	0.35 ± 0.10
P5 (mm)	0.35 ± 0.10
P6 (mm)	0.35 ± 0.10
D1 (mm)	0.055 ± 0.05
D2 (mm)	0.22 ± 0.10
D3 (mm)	0.065 ± 0.05
D4 (mm)	0.225 ± 0.10
D5 (mm)	0.22 ± 0.10

Reference design of EVB



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.

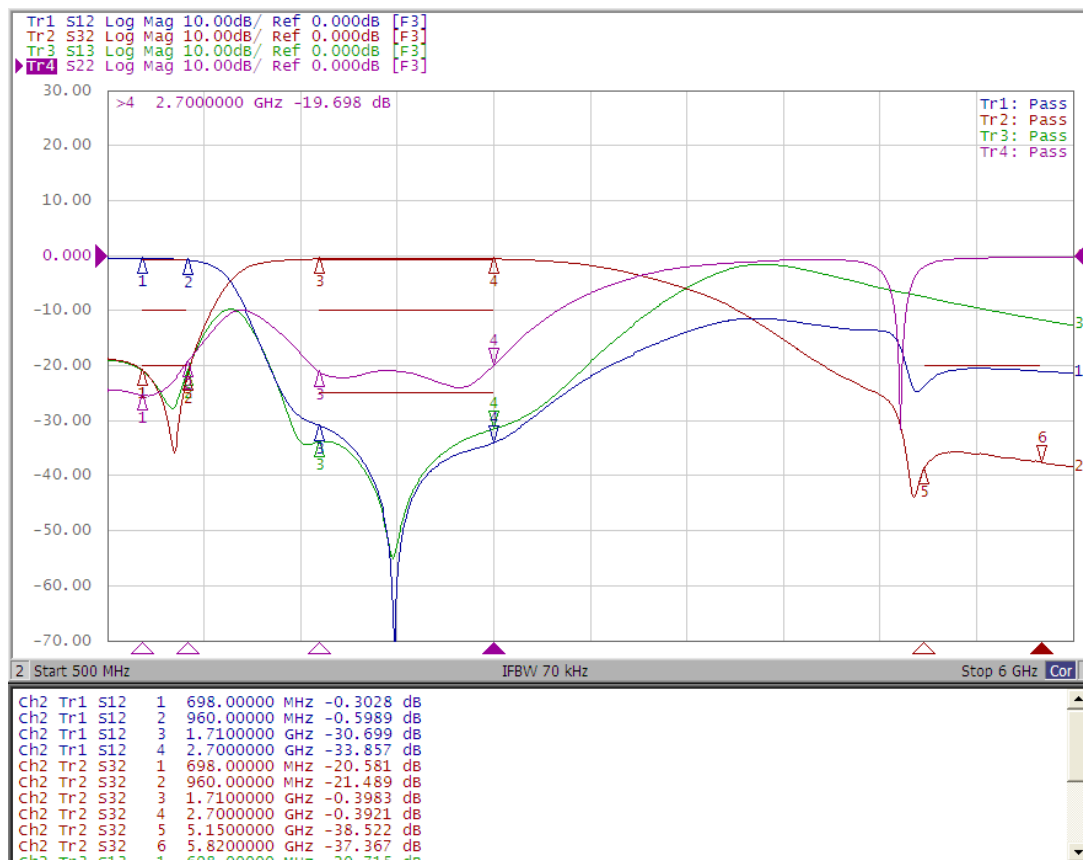
CONFIDENTIAL AND PROPRIETARY INFORMATION

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: 1608 0.9G&1.7GHz Diplexer

PART NUMBER: DPX1608LM70R0917A

ELECTRICAL PERFORMANCES



- Measured on Agilent E5071C Network Analyzer
- Common port: Port 2(Return loss S22)
- Low band port: Port 1(Low band insertion loss S12, and attenuation at high band)
- High band port: Port 4(High band insertion loss S42, and attenuation at low band)

Frequency Characteristics

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: 1608 0.9G&1.7GHz Diplexer

PART NUMBER: DPX1608LM70R0917A

REVISION HISTORY

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[DPX1608LM70R0917A](#)