

Description: 1608 1.9G&2.5GHz Diplexer

PART NUMBER: DPX1608LL76R1925A

Features:

Applications:

Compact size : 1.6x0.8x0.6mm

• LTE (0.7~2.7GHz)

· RoHS compliant

ELECTRICAL SPECIFICATIONS

DESCRIPTION	VALUE		
Pass Band	Low Band	High Band	
	1710-1880 MHz	2500-2690 MHz	
Insertion Loss	0.7dB(Max)	0.8dB(Max)	
V.S.W.R / Return-Loss	2.0 (Max)	2.0 (Max)	
	/ 10.0 dB (Min)	/ 10.0 dB (Min)	
Attenuation	15dB (Min).@2500~2690 MHz	15dB (Min).@1710~1880 MHz	
Isolation	15dB (Min)		
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



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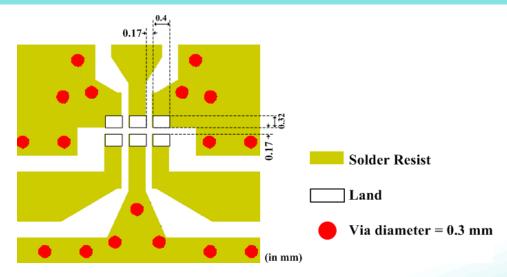
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MECHANICAL DIMENSION

Outline Mechanical Termination Dimension Top View **Terminal name Function** 1.60 ± 0.15 L (mm) **GND** W (mm) P1 0.80 ± 0.15 (5) (6) (4) T (mm) 0.60 ± 0.15 P2 Common 3 P1 (mm) 0.35 ± 0.10 **P3 GND** (2) (3) **(1)** P4 High band P2 (mm) 0.35 ± 0.10 **GND** P3 (mm) P5 0.35 ± 0.10 Bottom View Low band P4 (mm) P6 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.

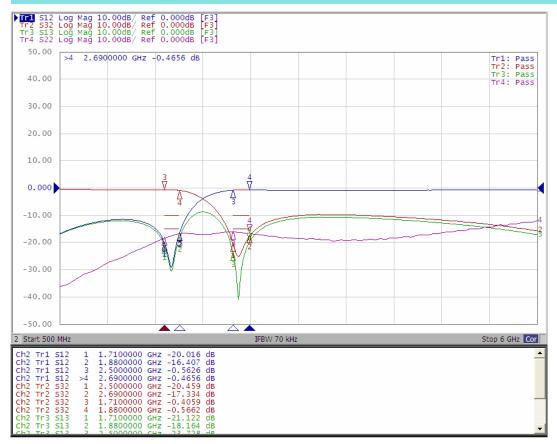




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ELECTRICAL PERFORMANCES



- 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



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