

#### TECHNICAL DATA SHEET

**Description**: 2012 MB/HB-n78 Diplexer

PART NUMBER: DPX2012LKGHR1931L

### **Features:**

# **Applications:**

**Compact Size** 

· For LTE application.

- Low loss
- High Soldering Heat Resistance

### **ELECTRICAL SPECIFICATIONS**

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LOW-Dallu				
Item	Frequency Range(MHz)	Min.	Тур.	Max.
Insertion Loss (dB)	1710~1980	-	0.80	1.00
	2110~2170	-	1.00	1.30
	2170~2180	-	1.10	1.40
	2180~2200	-	1.35	1.85
Return Loss (dB)	1710~2200	10	13.0	-
Attenuation (dB)	2496~2500	10	14.5	-
	2500~2690	11	15.0	-

High-Band

Item	Frequency Range(MHz)	Min.	Тур.	Max.
	2496~2500	-	1.05	1.35
	2500~2690	-	1.00	1.30
Insertion Loss (dB)	3300~3550	-	0.40	0.80
	3550~3700	-	0.30	0.80
	3700~3800	-	0.30	0.80
Return Loss (dB)	2496~3800	10	18.0	-
	1710~1980	11	13.5	-
Attenuation (dB)	2110~2170	11	16.5	-
Attenuation (dB)	2170~2180	10	15.5	-
	2180~2200	8	13.5	-

Common

use without specific written authorization of Pulse is strictly forbidden.

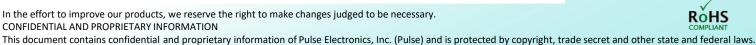
Item	Frequency Range(MHz)	Min.	Тур.	Max.
Return Loss (dB)	1710~2200	10	13.0	-
	2496~3800	10	18.0	-

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. CONFIDENTIAL AND PROPRIETARY INFORMATION

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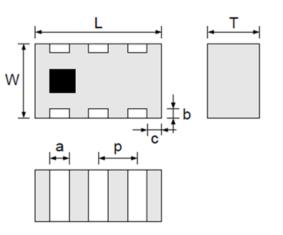
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# **MECHANICAL DIMENSION**

# **Outline**

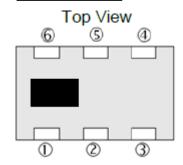


# **Dimension**

	L	W	Т	а
2.0	00±0.15	1.25±0.15	0.90±0.10	0.30±0.15
	b	С	р	
0.2	20±0.15	0.20±0.15	0.65±0.15	

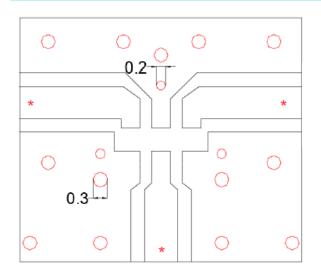
NOTE: Dimensions in mm.

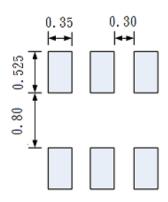
## **Termination**



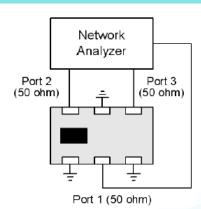
Terminal name	Function
P1	GND
P2	Common
P3	GND
P4	High band
P5	GND
P6	Low band

### **Recommended Land Pattern**





Unit: mm



Test Instrument: Agilent E5071C Network Analyzer or equivalent.

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



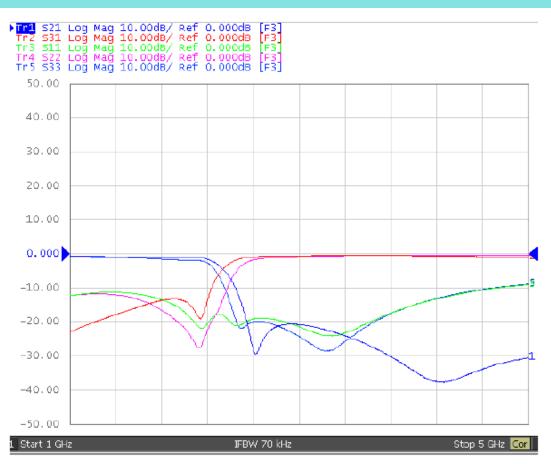


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### **ELECTRICAL PERFORMANCES**



Test Instrument:
Agilent E5071C Network Analyzer or equivalent.

Frequency Characteristics



Date

Feb. 23, 2022

Revision

Version 1

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REVISION HISTORY	
Description	
- New issue	