



Features

- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

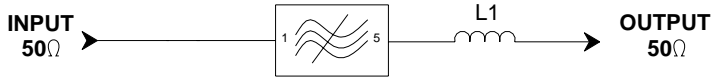
| Parameter | Unit | Minimum | Typical | Maximum |
|---|-------------------------|---------|---------|---------|
| Center Frequency | MHz | 40.86 | 40.96 | 41.06 |
| Insertion Loss | dB | - | 26.4 | 28 |
| 1.2 dB Bandwidth | MHz | - | 8.77 | - |
| 3 dB Bandwidth | MHz | 8.9 | 9 | - |
| 35 dB Bandwidth | MHz | - | 9.74 | 9.8 |
| 40 dB Bandwidth | MHz | - | 9.77 | - |
| Passband Variation($f_0 \pm 4.5\text{MHz}$) | dB | - | 1 | 1.2 |
| Phase Linearity($f_0 \pm 4.5\text{MHz}$) | deg | - | 7 | - |
| Absolute Delay | usec | - | 3.7 | 4 |
| Ultimate Rejection | dB | 42 | 48 | - |
| Material Temperature coefficient | KHz/°C | -3.9 | | |
| Substrate Material | - | YZ LN | | |
| Ambient Temperature | °C | 25 | | |
| DC Voltage | V | 0 | | |
| Input Power | dBm | - | - | 10 |
| ESD Class | - | 1A | | |
| Package Size | DIP3512 (35.0x12.8x4.7) | | | |

Notes:

1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
4. This is the optimum impedance in order to achieve the performance show.

| | | | | |
|--|--|-------------|------------|----------|
| | SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060 | Part Number | LBN04101 | |
| | | Rev. Date | 2011-06-27 | |
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Matching Configuration

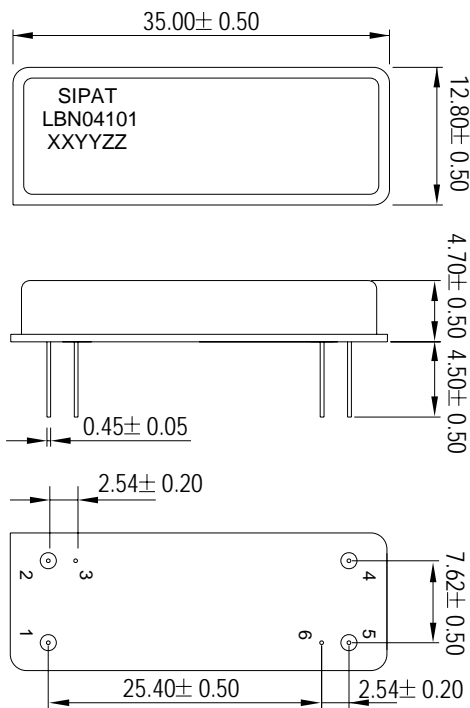


L1=390nH

Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 1
Output 5
Ground 2,3,4,6

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBN04101: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

Unit: mm

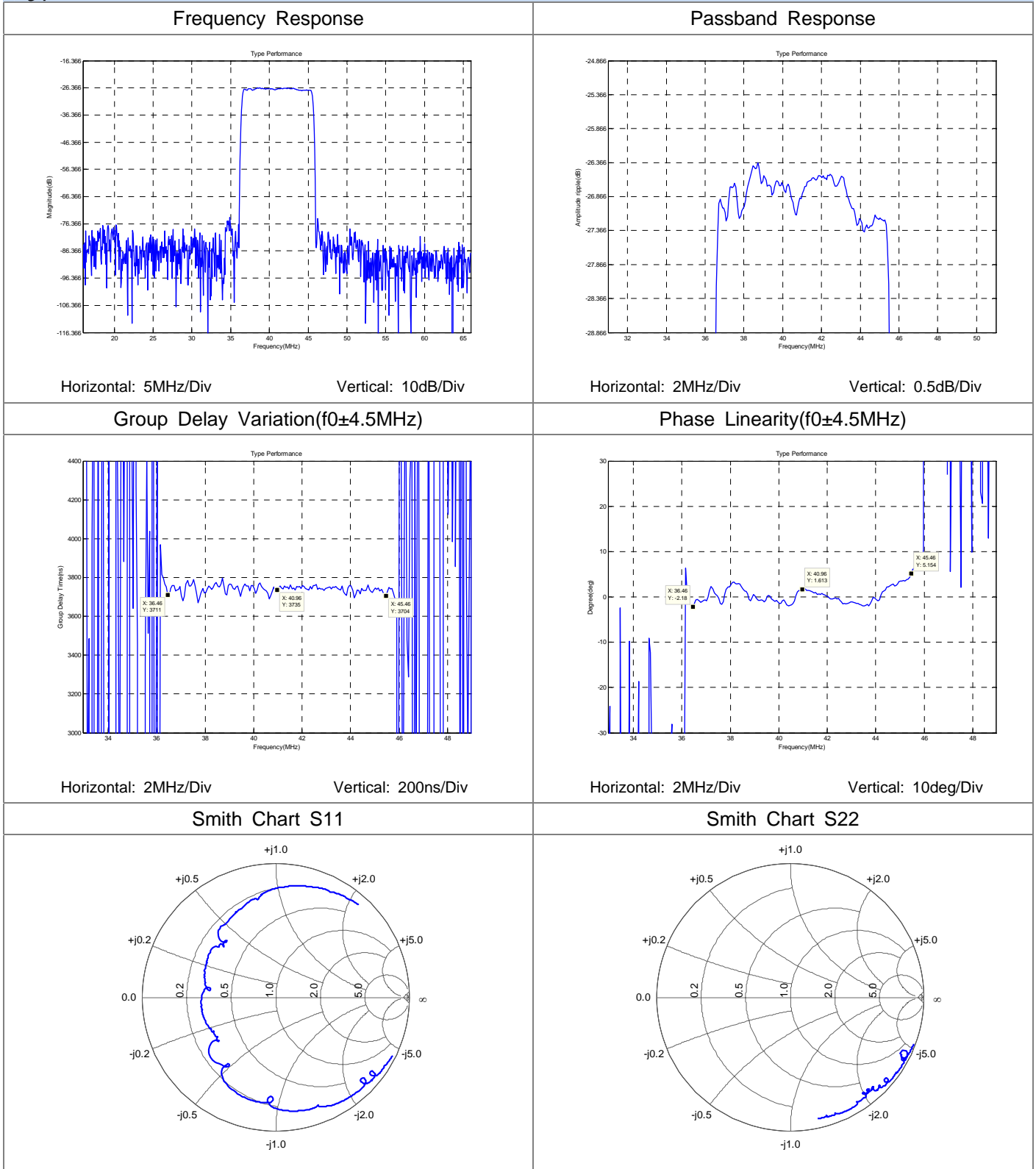


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Typical Performance



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