



Features


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

Specifications

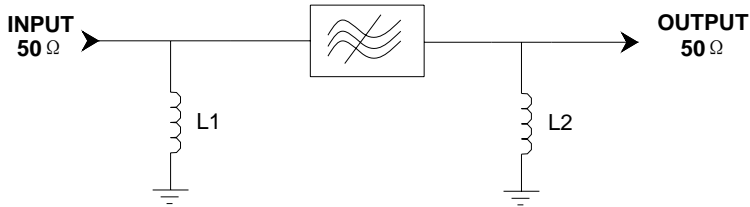
| Parameter | Unit | Minimum | Typical | Maximum |
|---|----------------------------|---------|---------|---------|
| Center Frequency | MHz | 99.85 | 100 | 100.15 |
| Insertion Loss | dB | - | 23.2 | 30 |
| 1.5 dB Bandwidth | MHz | - | 5.05 | - |
| 3 dB Bandwidth | MHz | 5.15 | 5.2 | - |
| 35 dB Bandwidth | MHz | - | 5.98 | 6.05 |
| 45 dB Bandwidth | MHz | - | 6.06 | 6.4 |
| 50 dB Bandwidth | MHz | - | 6.09 | 7.2 |
| Passband Variation | dB | - | 0.8 | 1.5 |
| Absolute Delay | usec | - | 4 | - |
| Ultimate Rejection($f_0 \pm 7\text{MHz}$) | dB | 50 | 54 | - |
| Material Temperature coefficient | KHz/°C | -1.8 | | |
| Substrate Material | - | 112LT | | |
| Ambient Temperature | °C | 25 | | |
| DC Voltage | V | 0 | | |
| Input Power | dBm | - | - | 10 |
| ESD Class | - | 1A | | |
| Package Size | DIP3512 (35.0x12.8x4.7mm3) | | | |

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 | LBT10014 | |
| | | Rev. Date | 2010-09-26 | |
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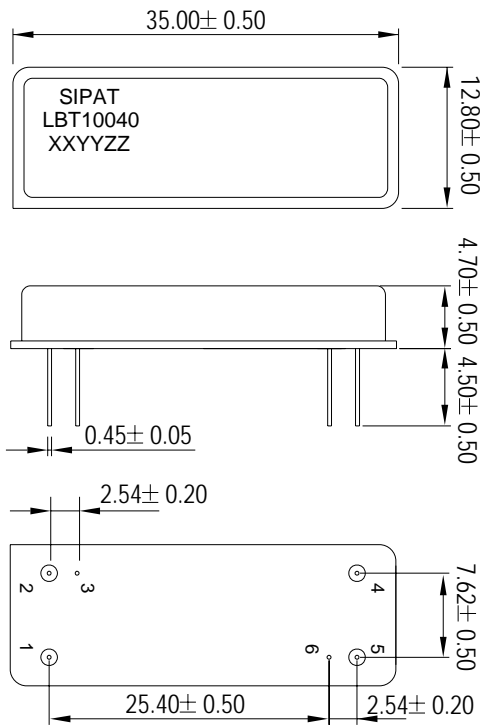
Matching Configuration



L1=39nH L2=56nH
Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 1
Output 5
Ground All Others

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBT10014: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

Unit: mm

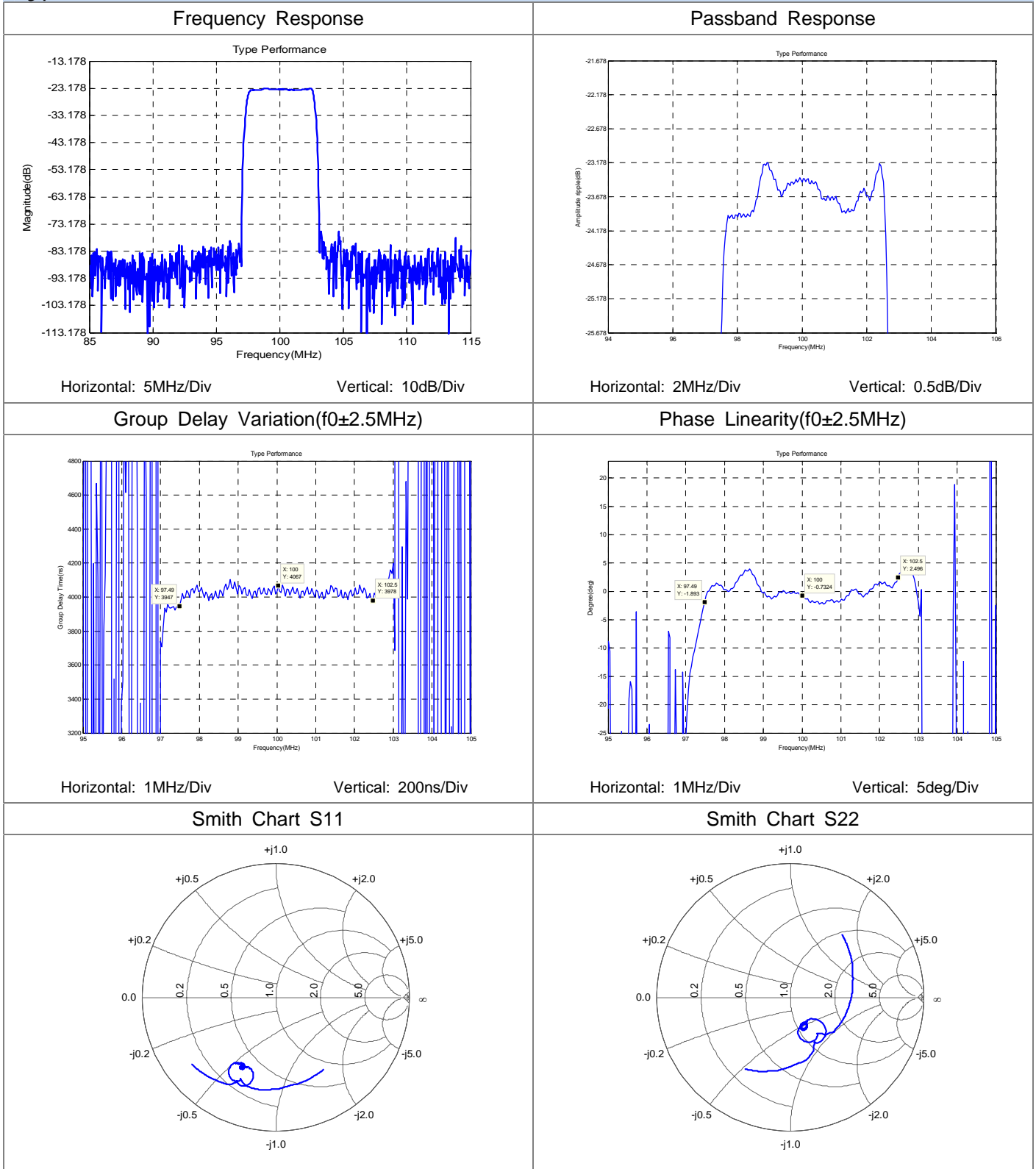


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Typical Performance



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