



Features


- ◇ For IF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

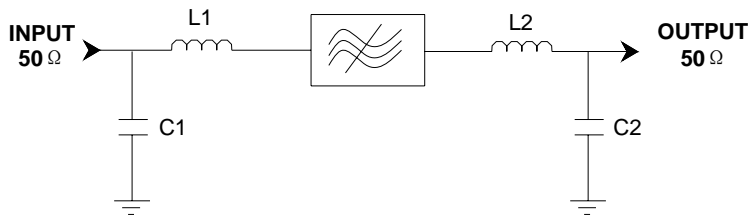
| Parameter | Unit | Minimum | Typical | Maximum | |
|---|------------|---------|---------|---------|---|
| Center Frequency | MHz | 104.75 | 105 | 105.25 | |
| Insertion Loss | dB | - | 15.9 | 21 | |
| 1 dB Bandwidth | MHz | 36 | 36.9 | - | |
| Passband Variation($f_0 \pm 17.5\text{MHz}$) | dB | - | 0.65 | 1 | |
| Group Delay Variation($f_0 \pm 17.5\text{MHz}$) | nsec | - | 60 | 100 | |
| Absolute Delay | usec | - | 0.78 | 1 | |
| Ultimate Rejection | DC~65MHz | dB | 45 | 50 | - |
| | 65~73MHz | dB | 40 | 56 | - |
| | 73~80MHz | dB | 20 | 46 | - |
| | 130~137MHz | dB | 20 | 41 | - |
| | 137~144MHz | dB | 40 | 44 | - |
| | 150~800MHz | dB | 45 | 53 | - |
| Material Temperature coefficient | KHz/°C | -9.87 | | | |
| Substrate Material | - | YZ LN | | | |
| Ambient Temperature | °C | 25 | | | |
| Operating Temperature Range | °C | -30 | - | +70 | |
| Storage Temperature Range | °C | -45 | - | +105 | |
| DC Voltage | V | 15 | | | |
| Input Power | dBm | - | - | 15 | |
| ESD Class | - | 1A | | | |
| Package Size | SMD7.0*5.0 | | | | |

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 | LBN10502 | |
| | | Rev. Date | 2009-11-06 | |
| | | Ver. | 1.0 | Page |

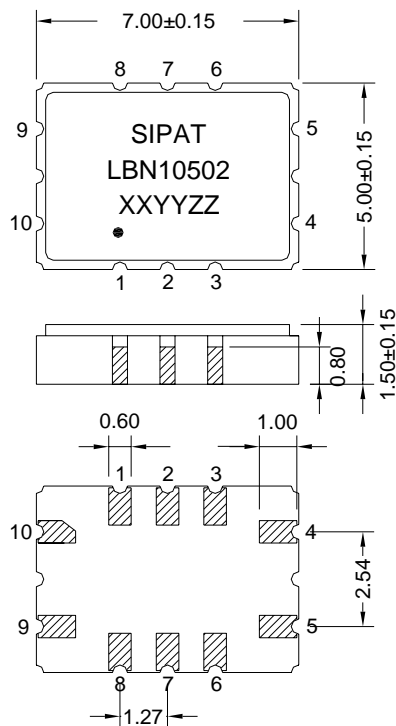
Matching Configuration



L1=L2=120nH
C1=(12+1.5)pF C2=15pF
Source/Load Impedance=50 ohm

Notes - Component values may change depending
on board layout.

Package Dimension



Pad Configuration:

Input: 9
Output: 4
Ground: All Others

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) LBN10502: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

Package: SMD7.0*5.0

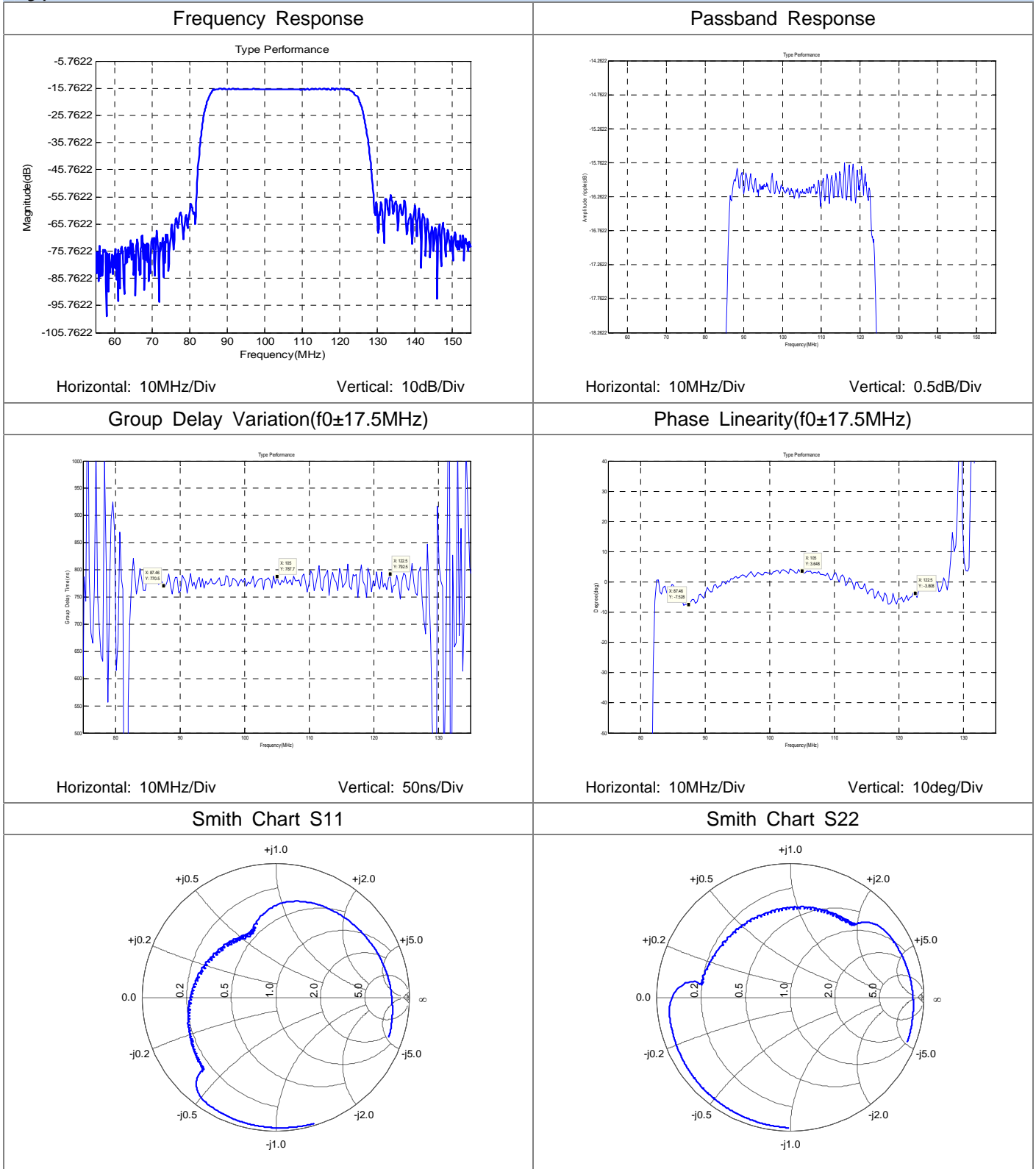
Unit: mm



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Typical Performance



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