



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 | 119.875 | 120 | 120.125 |
| Insertion Loss | dB | - | 26.1 | 28 |
| 1.5 dB Bandwidth | MHz | 12.4 | 12.44 | - |
| 3 dB Bandwidth | MHz | - | 12.64 | - |
| 18 dB Bandwidth | MHz | - | 13.3 | 13.35 |
| 25 dB Bandwidth | MHz | - | 13.45 | 13.6 |
| 30 dB Bandwidth | MHz | - | 13.54 | 13.8 |
| 40 dB Bandwidth | MHz | - | 13.68 | 14.9 |
| Passband Variation | dB | - | 1.1 | 1.5 |
| Absolute Delay | usec | - | 2.66 | 2.75 |
| Ultimate Rejection($f_0 \pm 10\text{MHz}$) | dB | 40 | 52 | - |
| Material Temperature coefficient | KHz/°C | -11.28 | | |
| Substrate Material | - | YZ LN | | |
| Ambient Temperature | °C | 25 | | |
| Operating Temperature Range | °C | -40 | - | +85 |
| Storage Temperature Range | °C | -45 | - | +105 |
| DC Voltage | V | 0 | | |
| Input Power | dBm | - | - | 10 |
| ESD Class | - | 1A | | |
| Package Size | DIP3512 (35.0x12.8x4.7mm3) | | | |

Notes:

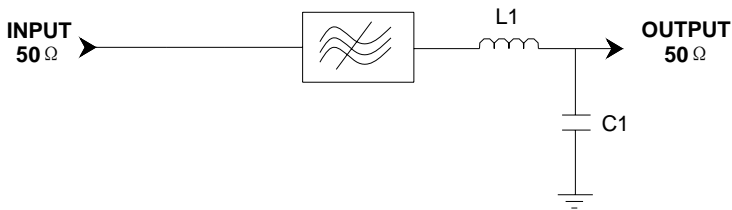
1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing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



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|-------------|------------|----------|--|
| Part Number | LBN12003 | | |
| Rev. Date | 2010-06-03 | | |
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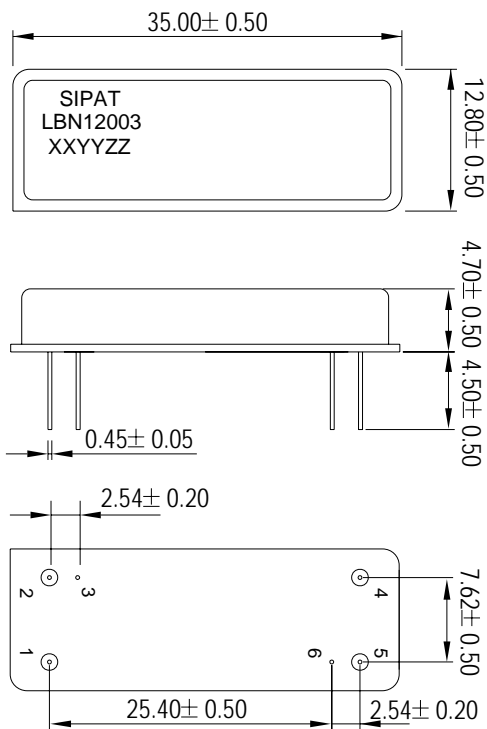
Matching Configuration



L1=100n C1=22pF
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) LBN12003: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

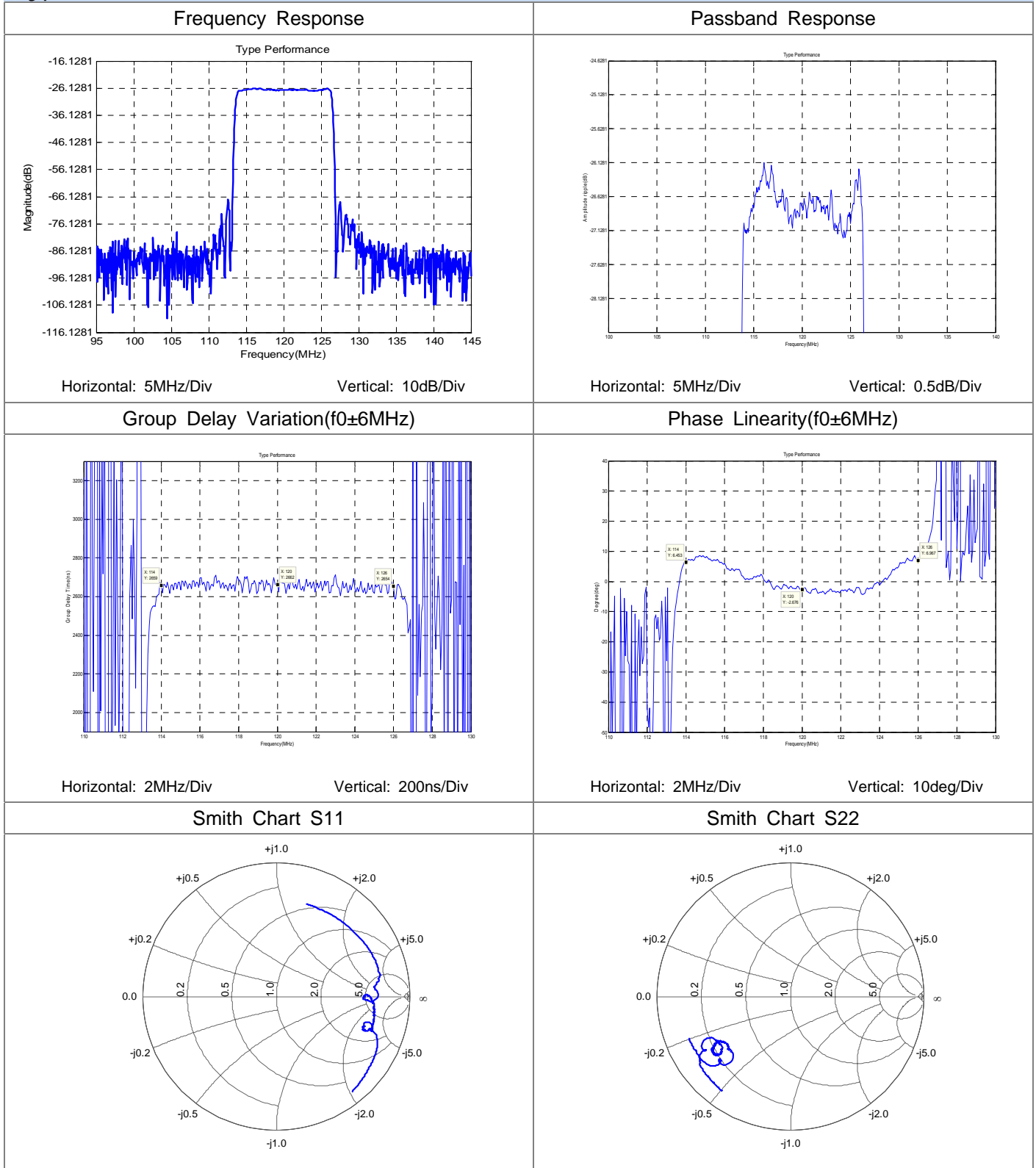
Unit: mm



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Typical Performance



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