



Features


- ◇ For RF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ No matching required for operation at 50Ω
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

| Parameter | Unit | Minimum | Typical | Maximum | |
|-----------------------------------|-------------|---------|---------|---------|---|
| Center Frequency | MHz | - | 415 | - | |
| Insertion Loss(400~430MHz) | dB | - | 1.7 | 2.7 | |
| Passband Variation(400~430MHz) | dB | - | 0.7 | 1.3 | |
| VSWR(400~430MHz) | - | - | 1.9/1.7 | 2.1 | |
| Group Delay Variation(400~430MHz) | nsec | - | 20 | 40 | |
| Attenuation | 10~345MHz | dB | 25 | 26 | - |
| | 345~390MHz | dB | 9 | 12 | - |
| | 440~470MHz | dB | 4 | 7 | - |
| | 470~480MHz | dB | 25 | 29 | - |
| | 480~561MHz | dB | 27 | 28 | - |
| | 561~593MHz | dB | 24 | 25 | - |
| | 593~950MHz | dB | 21 | 22 | - |
| | 950~2000MHz | dB | 13 | 25 | - |
| 2000~2500MHz | dB | 5 | 14 | - | |
| Material Temperature coefficient | KHz/°C | -28.2 | | | |
| Substrate Material | - | 41LN | | | |
| Ambient Temperature | °C | 25 | | | |
| Operating Temperature Range | °C | -40 | - | +85 | |
| Storage Temperature Range | °C | -40 | - | +85 | |
| DC Voltage | V | 0 | | | |
| Input Power | dBm | - | - | 10 | |
| ESD Class | - | 1A | | | |
| Package Size | SMD3.8*3.8 | | | | |

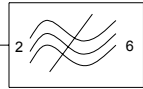
Notes:

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 | LBN41504 | |
| | | Rev. Date | 2011-07-08 | |
| | | Ver. | 1.0 | Page |

Matching Configuration

INPUT
50Ω

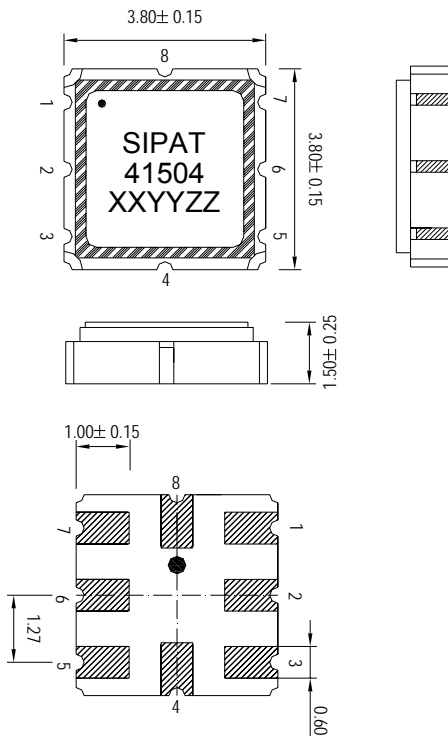


OUTPUT
50Ω

Source/Load Impedance=50 ohm

Notes - Component values may change depending
on board layout.

Package Dimension



Pad Configuration:

Input: 2
Output: 6
Ground: 1,3,4,5,7,8

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) 41504: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

Package: SMD3.8*3.8

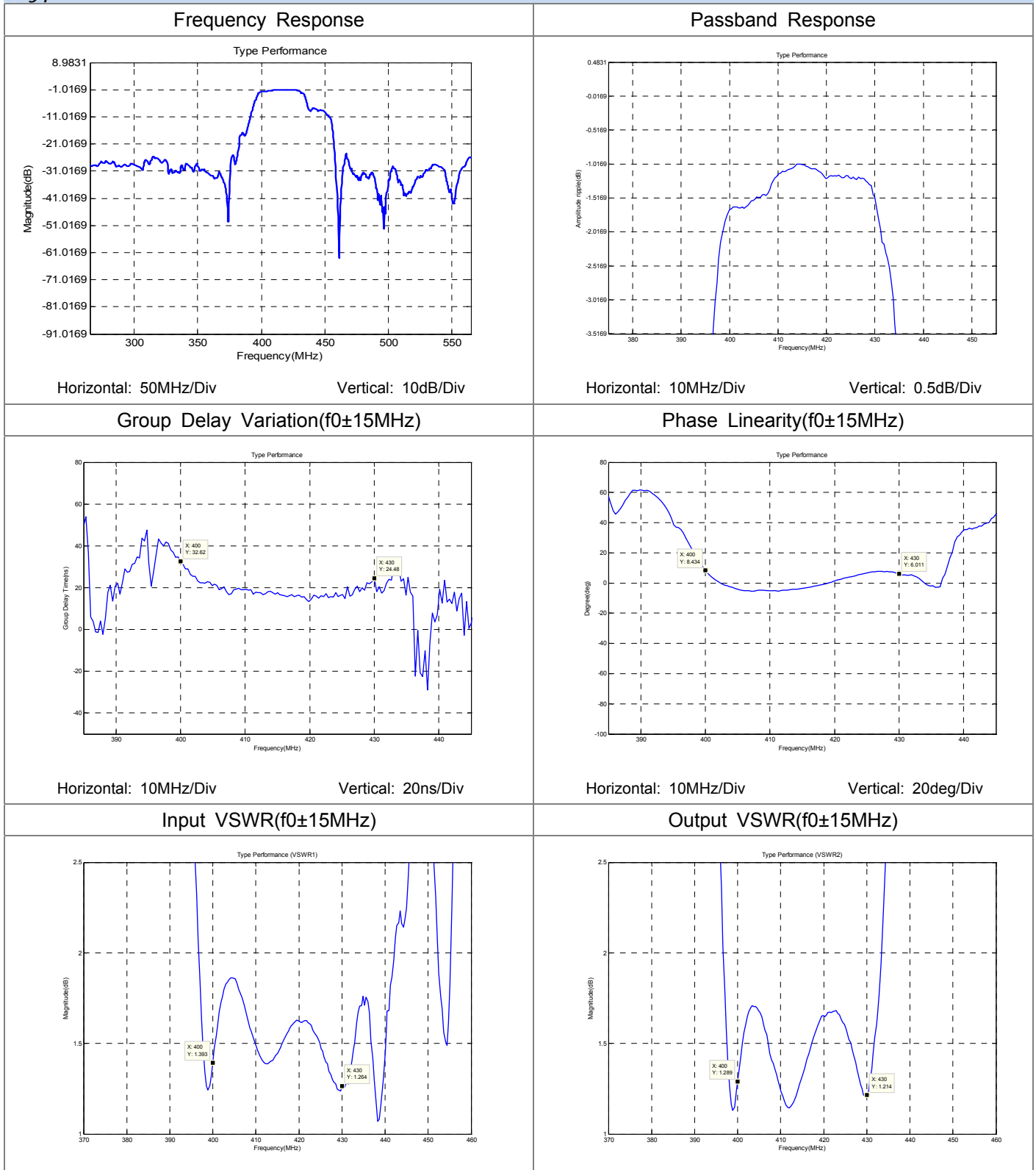
Unit: mm



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Typical Performance



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