



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 | - | 1747.5 | - |
| Insertion Loss | 1710~1765MHz | dB | - | 2.7 | 4 |
| | 1765~1785MHz | dB | - | 2.7 | 3.3 |
| Passband Variation(1710~1785MHz) | | dB | - | 1 | 2.1 |
| VSWR(1710~1785MHz) | | - | - | 1.9 | 2.5 |
| Ultimate Rejection | 10~1690MHz | dB | 15 | 23 | - |
| | 1690~1695MHz | dB | 4 | 15 | - |
| | 1800~1805MHz | dB | 4 | 8 | - |
| | 1805~1880MHz | dB | 15 | 20 | - |
| | 1880~3200MHz | dB | 20 | 27 | - |
| Material Temperature coefficient | | KHz/°C | -55.9 | | |
| Substrate Material | | - | 42LT | | |
| Ambient Temperature | | °C | 25 | | |
| Operating Temperature Range | | °C | -40 | - | +85 |
| DC Voltage | | V | 0 | | |
| Input Power | | dBm | - | - | 15 |
| ESD Class | | - | 1A | | |
| Package Size | | SMD3.0*3.0 | | | |

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.

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|--|--|-------------|------------|----------|
| | SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060 | Part Number | LBT174802 | |
| | | Rev. Date | 2010-04-27 | |
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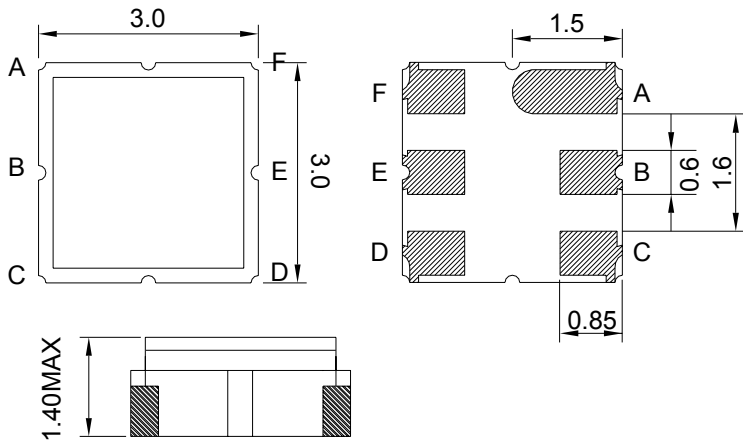
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 2
Output: 5
Ground: All Others

Package: SMD3.0*3.0

Unit: mm

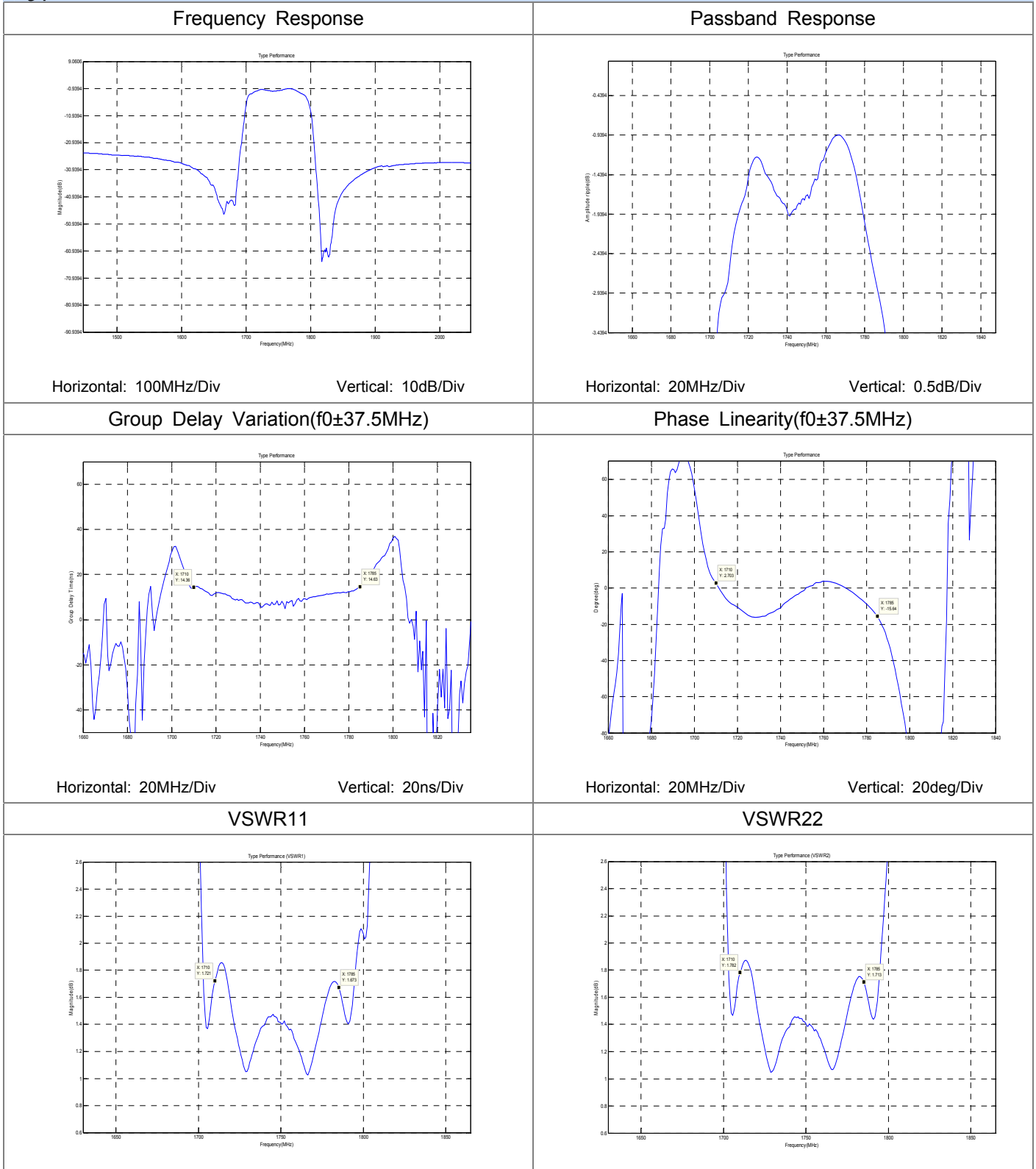


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Typical Performance



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