



Features

- ◇ For IF 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 | - | 875 | - |
| Insertion Loss($f_0 \pm 6\text{MHz}$) | dB | - | 1.7 | 2.5 |
| 1dB Bandwidth | MHz | 12 | 21.55 | - |
| Passband Variation($f_0 \pm 6\text{MHz}$) | dB | - | 0.5 | 1 |
| Ultimate Rejection | 10~800MHz | dB | 37 | - |
| | 800~850MHz | dB | 32 | - |
| | 900~1119MHz | dB | 39 | - |
| | 1119~2600MHz | dB | 20 | - |
| Material Temperature coefficient | KHz/°C | -28 | | |
| Substrate Material | - | 42LT | | |
| 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 | 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.

| | | | | |
|--|--|-------------|------------|------|
| | SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060 | Part Number | LBT87503 | |
| | | Rev. Date | 2010-07-05 | |
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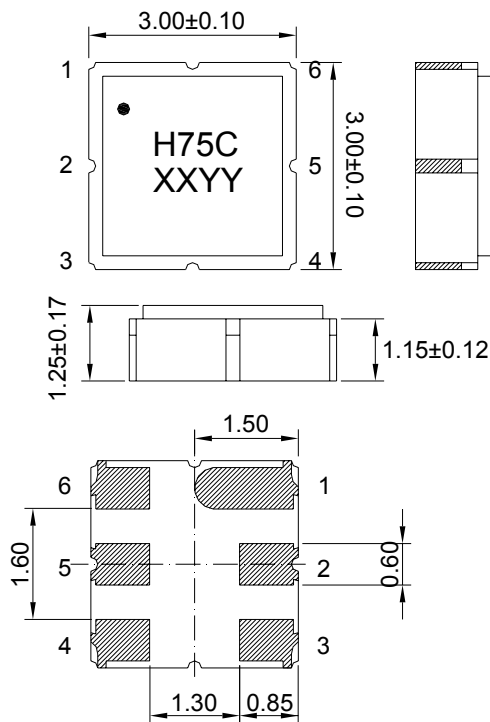
Matching Configuration



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

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) H75C: Part Number
- 3) XXYY: Date(Year/month)

Package: SMD3.0*3.0

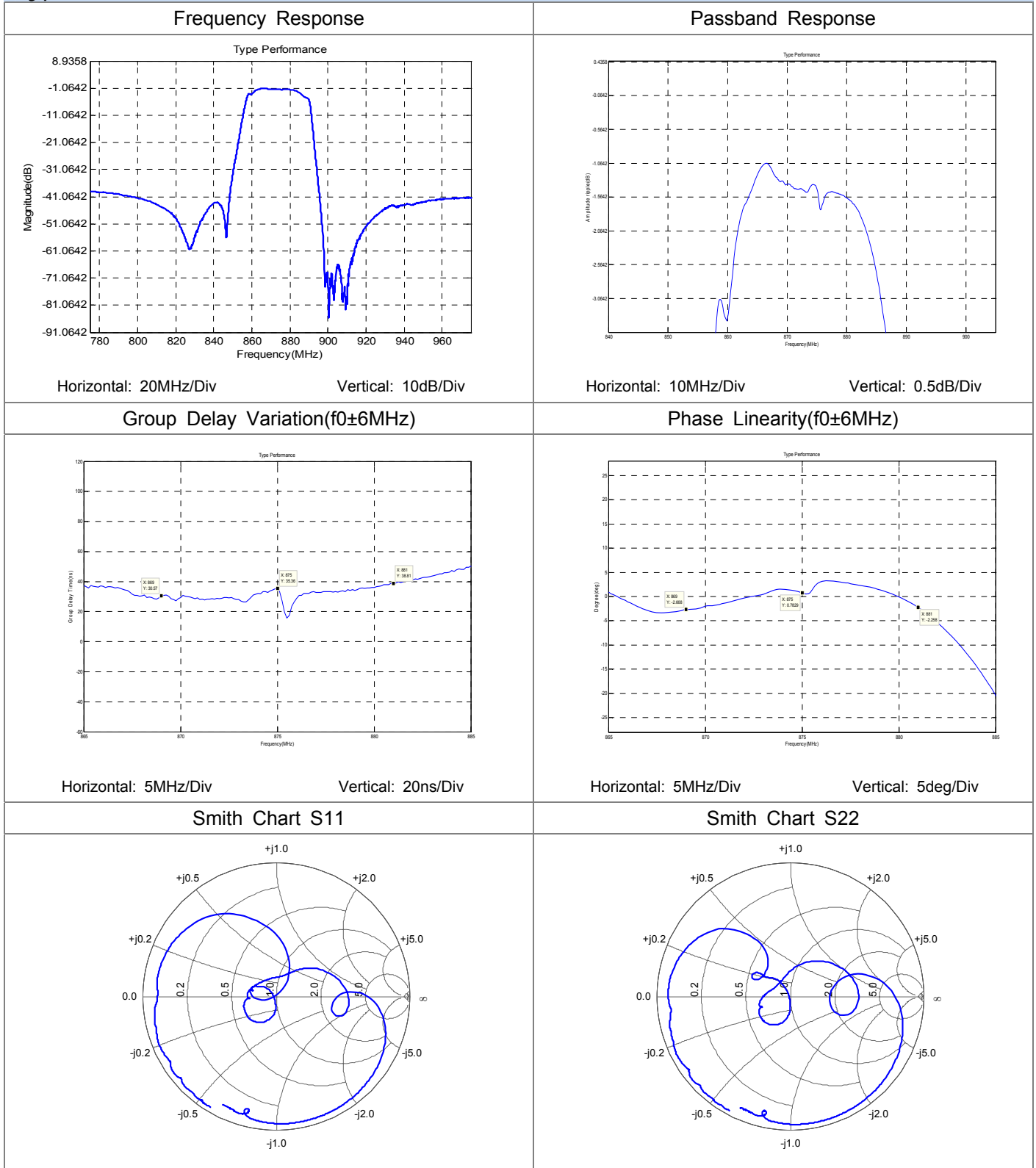
Unit: mm



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Typical Performance



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