



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 | - | 957 | - | |
| Insertion Loss (954~960MHz) | dB | - | 2.2 | 3.8 | |
| Passband Variation (954~960MHz) | dB | - | 0.8 | 1.2 | |
| Ultimate Rejection | DC~800MHz | dB | 35 | 37 | - |
| | 800~935MHz | dB | 35 | 38 | - |
| | 975~1000MHz | dB | 40 | 54 | - |
| | 1000~2000MHz | dB | 25 | 45 | - |
| | 2000~3000MHz | dB | 20 | 32 | - |
| VSWR (954~960MHz) | - | - | 1.5 | 2 | |
| Group delay variation (954~960MHz) | ns | - | 15 | 50 | |
| Material Temperature coefficient | KHz/°C | -30.6 | | | |
| Substrate Material | - | 42LT | | | |
| Ambient Temperature | °C | 25 | | | |
| Operating Temperature Range | °C | -45 | - | +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.

| | | | | |
|--|--|-------------|------------|----------|
| | SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060 | Part Number | LBT95701 | |
| | | Rev. Date | 2010-04-22 | |
| | | Ver. | 1.0 | Page 1/3 |

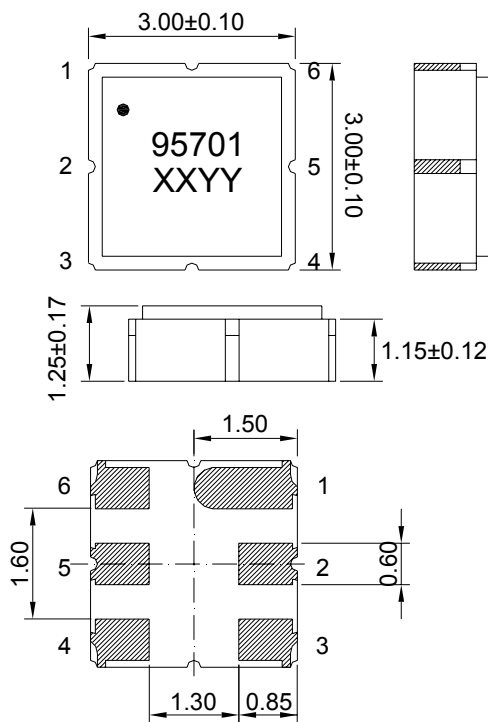
Matching Configuration



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) 95701: Part Number
- 3) XXYY: Date(Year/month)

Package: SMD3.0*3.0

Unit: mm

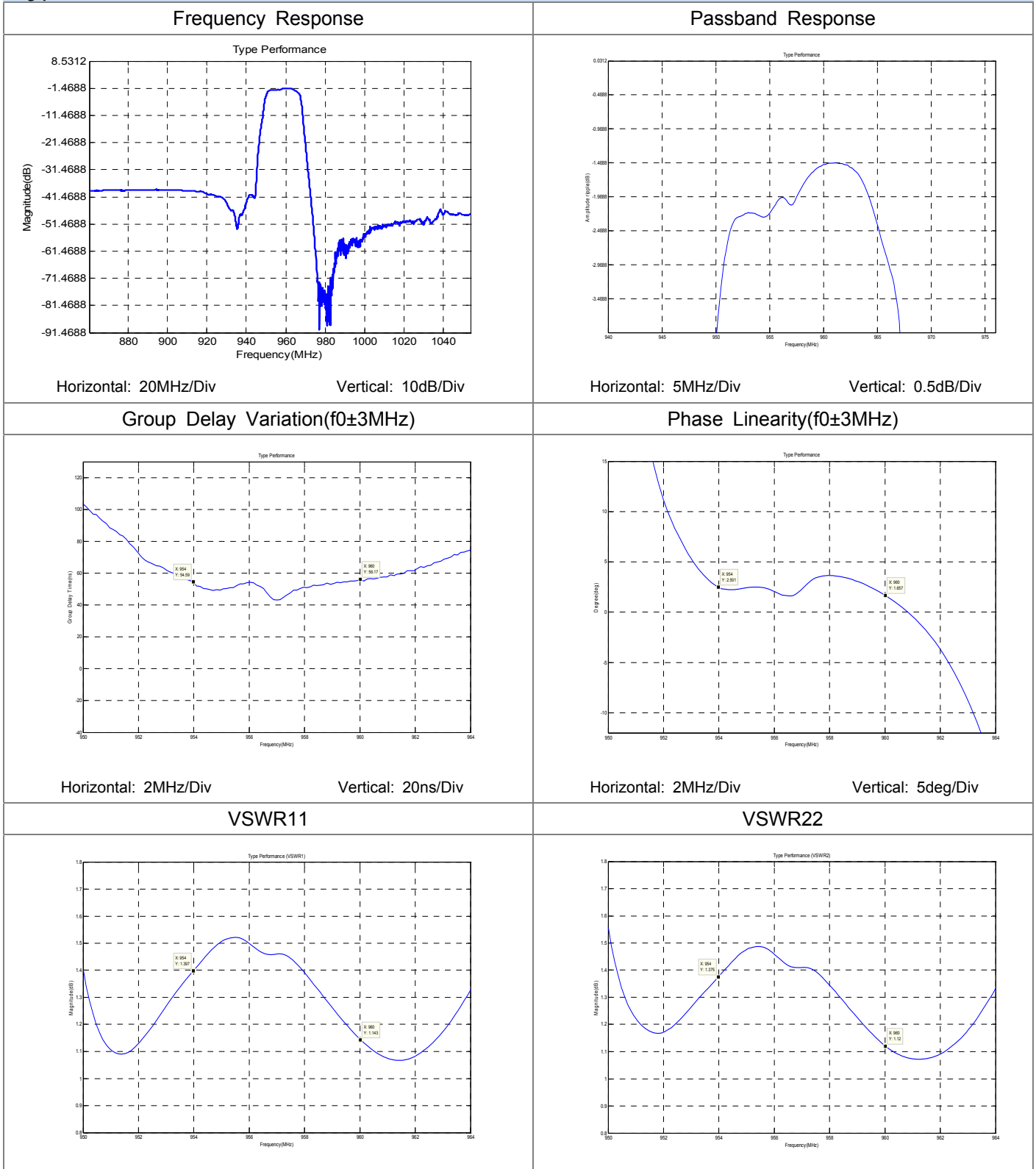


SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

| | | |
|-------------|------------|----------|
| Part Number | LBT95701 | |
| Rev. Date | 2010-04-22 | |
| Ver. | 1.0 | Page 2/3 |



Typical Performance



SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

| | | |
|-------------|------------|----------|
| Part Number | LBT95701 | |
| Rev. Date | 2010-04-22 | |
| Ver. | 1.0 | Page 3/3 |