



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 |
|-----------------------------------------|---------|---------|---------|---------|
| <i>Center Frequency</i> | MHz | - | 830 | - |
| <i>Insertion Loss</i> | dB | - | 24 | 26.5 |
| <i>1.dB Bandwidth</i> | MHz | - | 10.66 | - |
| <i>3dB Bandwidth</i> | MHz | 11.3 | 11.45 | - |
| <i>40dB Bandwidth</i> | MHz | - | 13.77 | 14.2 |
| <i>Amplitude Ripple(f0+/-5MHz)</i> | dB | - | 1 | 1.3 |
| <i>Group Delay(f0+/-5MHz)</i> | usec | - | 35 | 110 |
| <i>Relative Attenuation f0+/-7.5MHz</i> | dB | 40 | 44 | - |
| <i>Absolute Delay</i> | usec | - | 1.23 | - |
| <i>Material Temperature coefficient</i> | KHz/°C | 0.83 | | |
| <i>Substrate Material</i> | - | QZ | | |
| <i>Ambient Temperature</i> | °C | 25 | | |
| <i>Operating Temperature Range</i> | °C | -25 | - | +85 |
| <i>Storage Temperature Range</i> | °C | -45 | - | +105 |
| <i>Input Power</i> | dBm | - | - | 10 |
| <i>ESD Class</i> | - | 1C | | |
| <i>Package Size</i> | SMD1365 | | | |

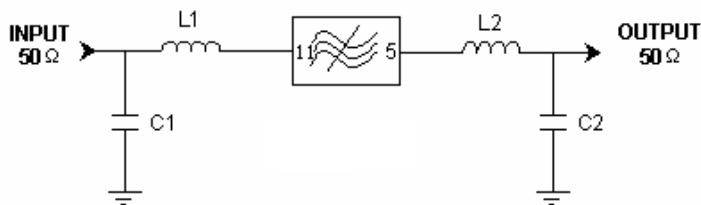
Notes:

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 | LBS83008 | |
| | | Rev. Date | 2013-09-29 | |
| | | Ver. | 1.0 | Page 1/3 |

Matching Configuration

手动测试座

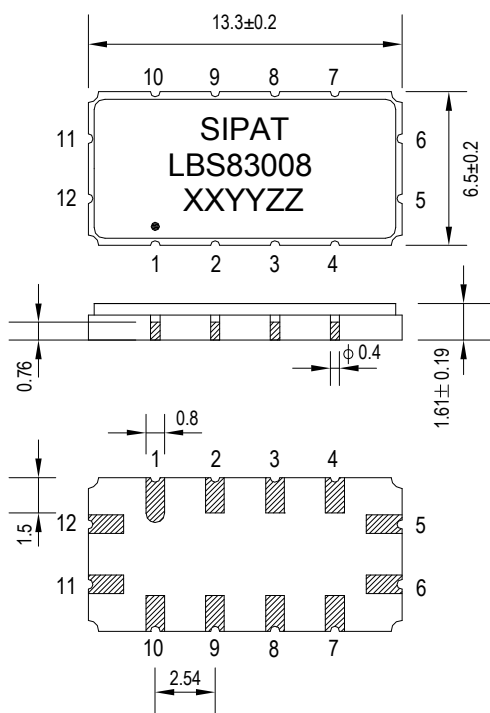


L1=4.7nH L2=1nH
C1=8.2pf C2=10pf

Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 11
Output 5
Ground 2,3,4,6

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBS83008: Part Number
- 3) XYYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: SMD1365

Unit: mm

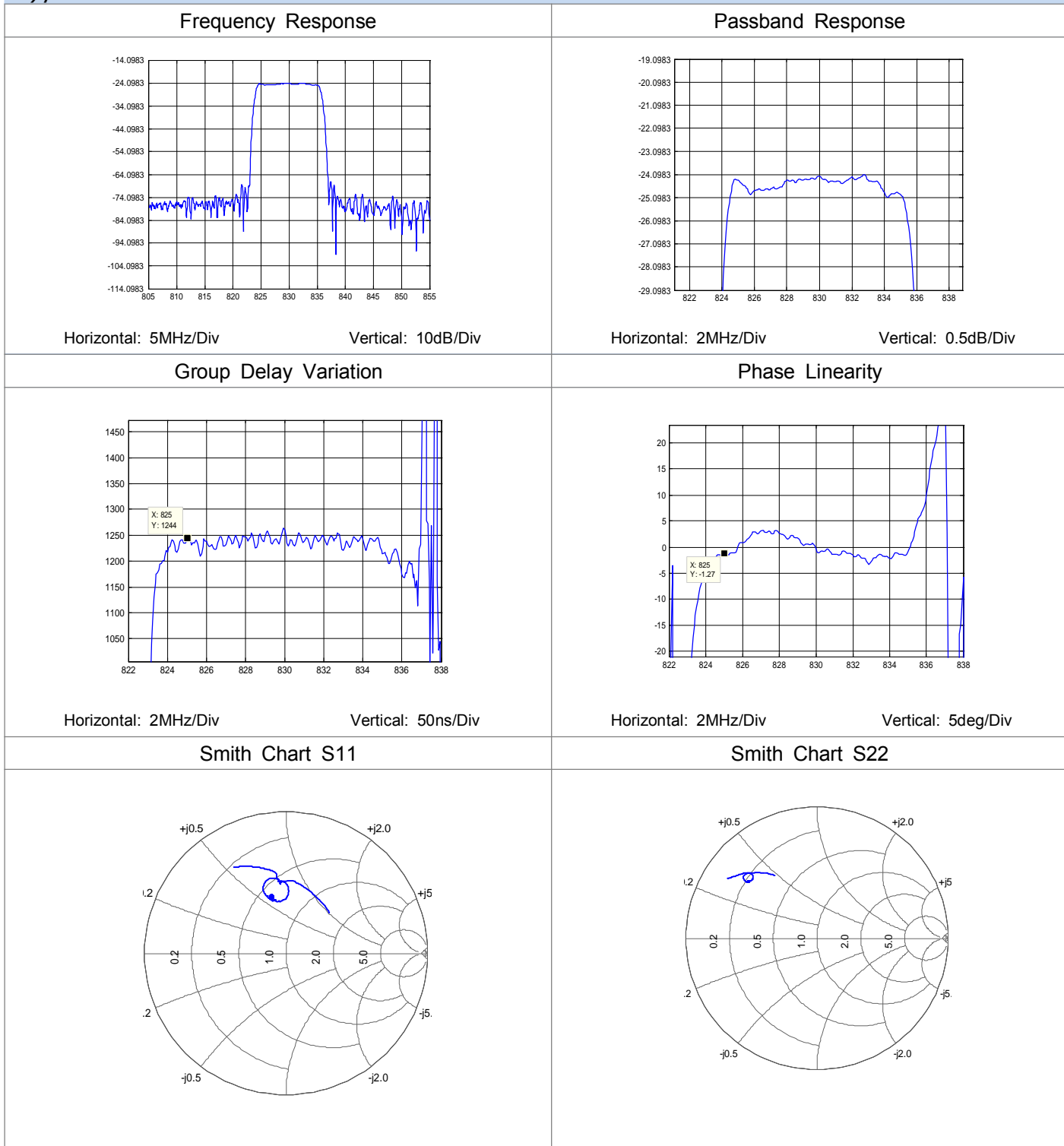


SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

| | | |
|-------------|------------|----------|
| Part Number | LBS83008 | |
| Rev. Date | 2013-09-29 | |
| Ver. | 1.0 | Page 2/3 |



Typical Performance



| | | | |
|--------------------------------------------------------------------------------------------------------------------------------|-------------|------------|----------|
| <p>SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060</p> | Part Number | LBS83008 | |
| | Rev. Date | 2013-09-29 | |
| | Ver. | 1.0 | Page 3/3 |