



### Features


- ◇ For IF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ RoHS compliant (2002/95/EC), Pb-free

### Specifications

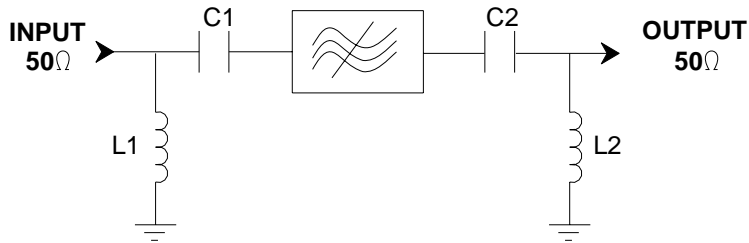
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	844	-
Insertion Loss( $f_0 \pm 4.75\text{MHz}$ )	dB	-	30.4	32
1.5 dB Bandwidth	MHz	-	9.12	-
3 dB Bandwidth	MHz	9.35	9.41	-
35 dB Bandwidth	MHz	-	11.06	11.5
40 dB Bandwidth	MHz	-	11.16	-
Passband Variation( $f_0 \pm 4.75\text{MHz}$ )	dB	-	1.2	1.5
Group Delay Variation( $f_0 \pm 4.75\text{MHz}$ )	nsec	-	150	300
Absolute Delay	usec	-	1.88	-
Ultimate Rejection( $f_0 \pm 10\text{MHz}$ )	dB	40	45	-
Material Temperature coefficient	KHz/°C	0.84		
Substrate Material	-	Qz		
Ambient Temperature	°C	25		
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1C		
Package Size	SMD13.3*6.5			

#### 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.

	<b>SIPAT Co., Ltd.</b> ( CETC No.26 Research Institute ) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBS84402	
		Rev. Date	2011-01-29	
		Ver.	1.0	Page 1/3

### Matching Configuration



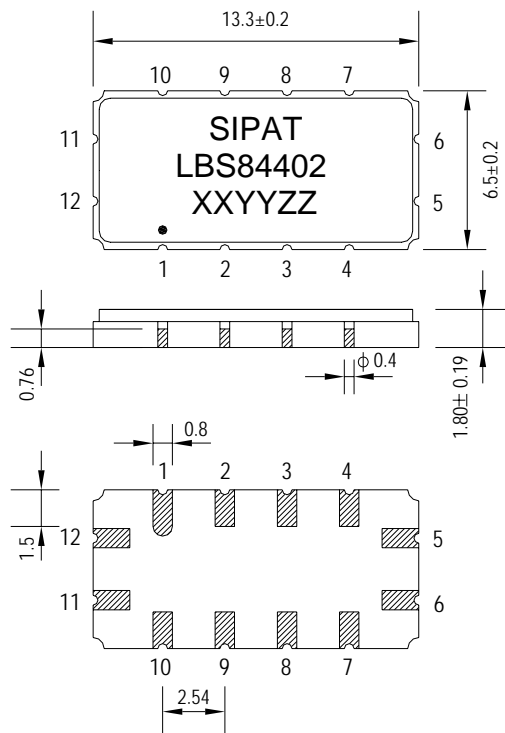
$L1=6.8\text{nH}$   $L2=3.9\text{nH}$

$C1=C2=6.8\text{pF}$

Source/Load Impedance=50 ohm

Notes - Component values may change depending  
on board layout.

### Package Dimension



#### Pad Configuration:

Input: 11

Output: 5

Ground: All Others

#### Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) LBS84402: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

Package: SMD13.3\*6.5

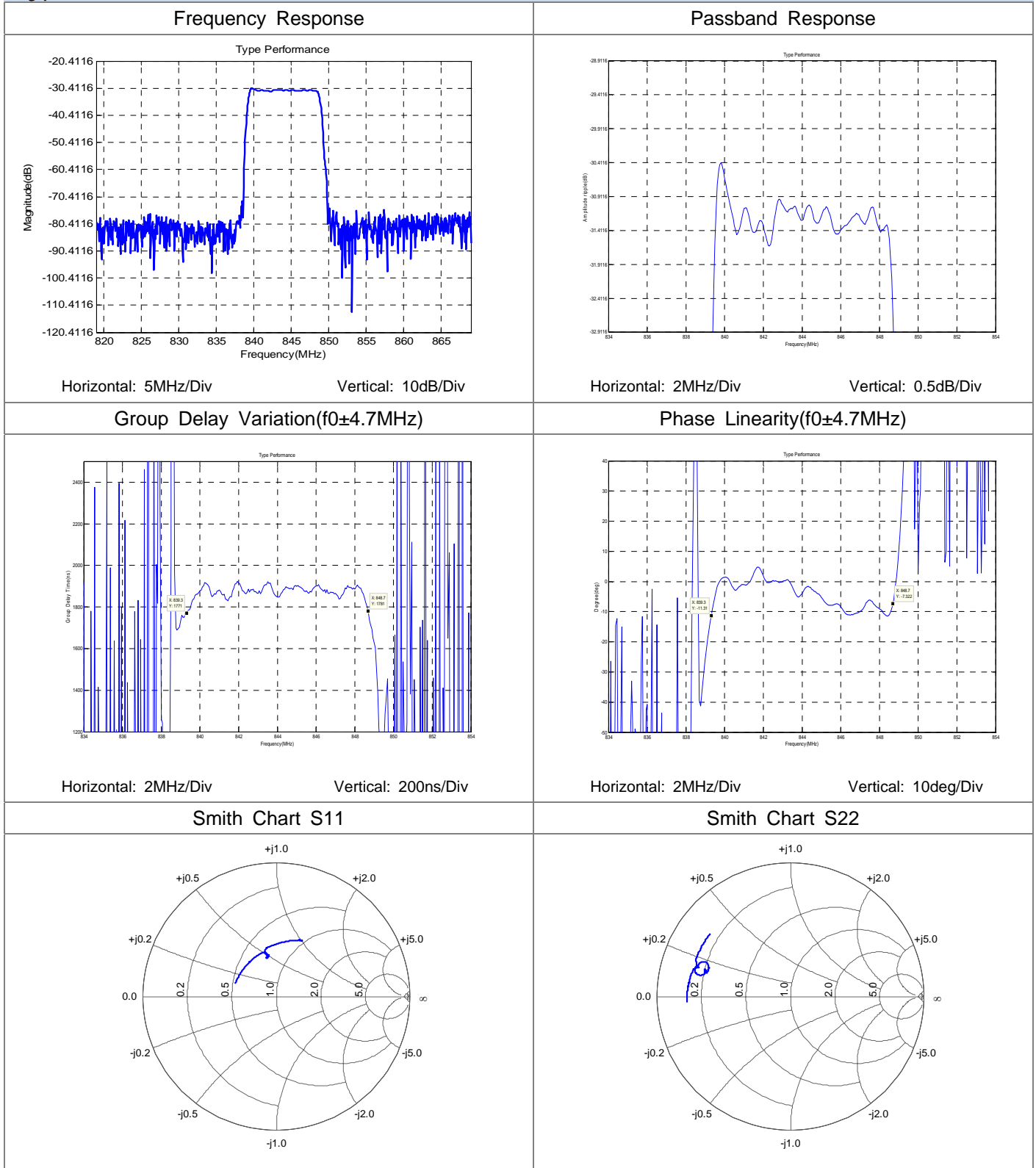
Unit: mm



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Typical Performance



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