

### Features


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

### Specifications

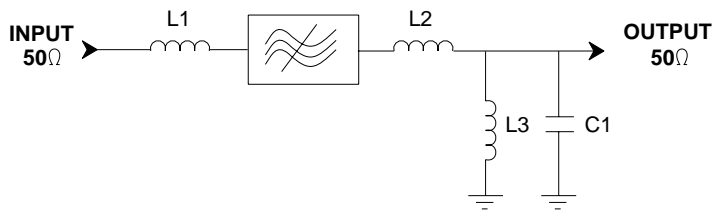
Parameter		Unit	Minimum	Typical	Maximum
Center Frequency		MHz	-	153.6	-
Insertion Loss		dB	-	9.4	12
1 dB Bandwidth		MHz	25	27.5	-
3 dB Bandwidth		MHz	-	29.6	-
12 dB Bandwidth		MHz	-	33	35
30 dB Bandwidth		MHz	-	35.4	40
Passband Variation		dB	-	0.6	1.2
Absolute Delay		usec	-	0.5	1
Group Delay Variation( $f_0 \pm 12.5\text{MHz}$ )		nsec	-	40	120
Ultimate Rejection	10~120MHz	dB	45	45	-
	120~130MHz	dB	35	40	-
	180~190MHz	dB	35	45	-
	190~1000MHz	dB	45	48	-
Material Temperature coefficient		KHz/°C	-12.6		
Substrate Material		-	128LN		
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		SMD7.0*5.0			

#### 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.

	<b>SIPAT Co., Ltd.</b> ( CETC No.26 Research Institute ) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBN15404	
		Rev. Date	2009-09-07	
		Ver.	1.0	Page

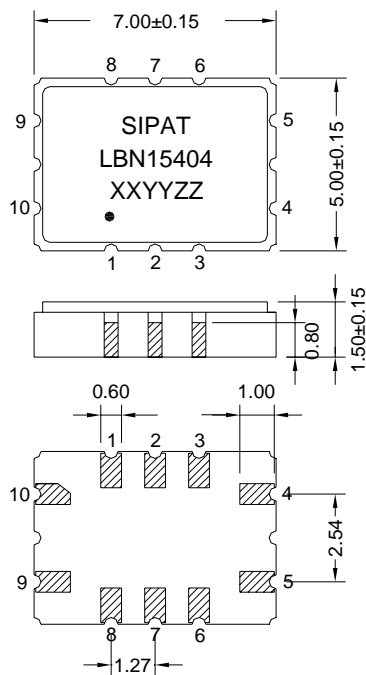
### Matching Configuration



**L1=(120+12)nH L2=120nH**  
**L3=68nH C1=22pF**  
**Source/Load Impedance=50 ohm**

Notes - Component values may change depending  
on board layout.

### Package Dimension



#### Pad Configuration:

Input: 9  
Output: 4  
Ground: All Others

#### Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) LBN15404: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

**Package: SMD7.0\*5.0**

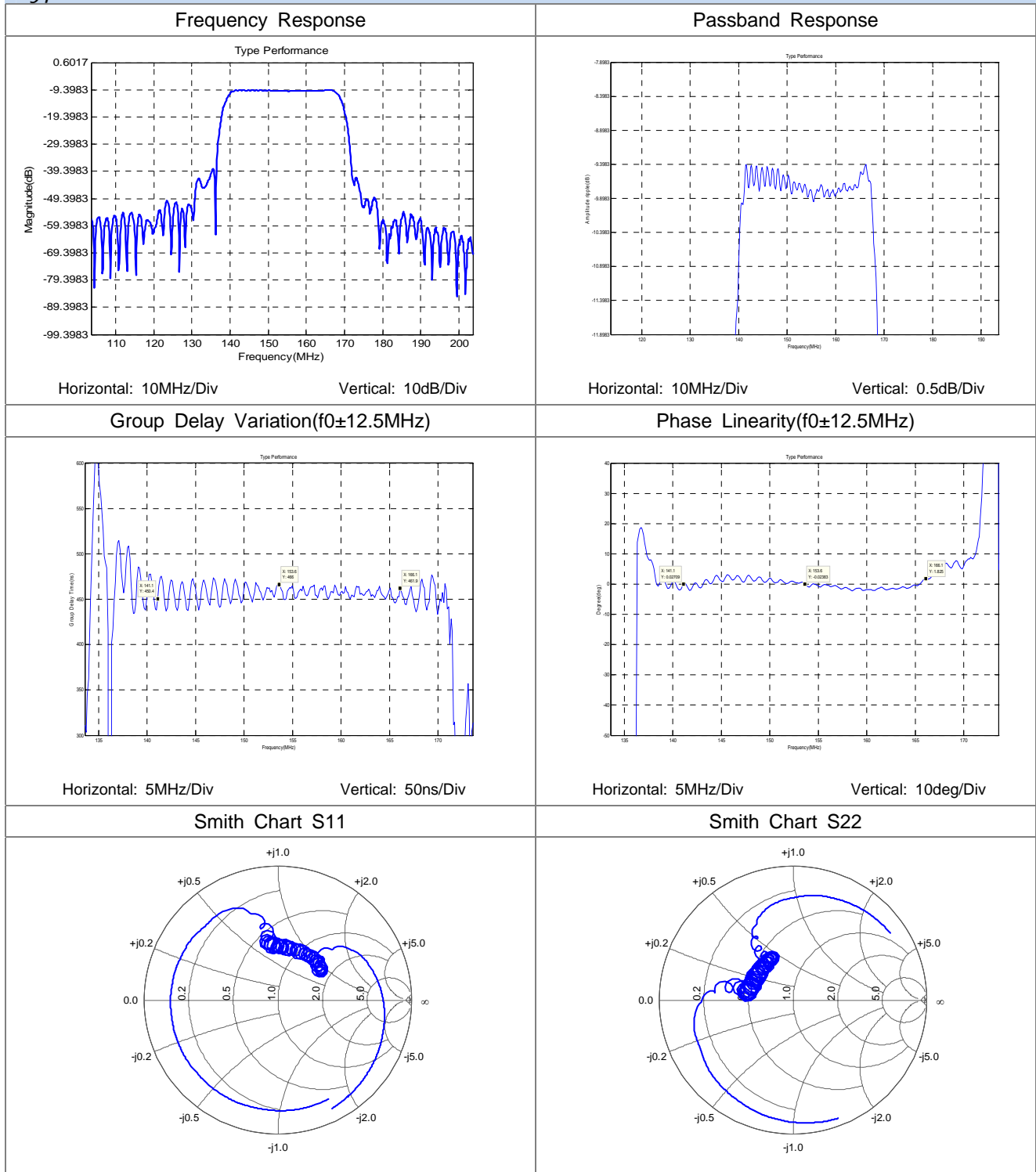
**Unit: mm**



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Rev. Date	2009-09-07	
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*Typical Performance*



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Rev. Date	2009-09-07	
Ver.	1.0	Page 3/3