



### 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	-	192	-
Insertion Loss	dB	-	13	15
1 dB Bandwidth	MHz	32	33.3	-
Passband Variation	dB	-	0.8	1
Absolute Delay	usec	-	0.68	-
Ultimate rejection	112~128MHz	dB	50	-
	128~144MHz	dB	45	-
	144~160MHz	dB	30	-
	224~240MHz	dB	30	-
	240~1000MHz	dB	45	-
Material Temperature coefficient	KHz/°C	-18		
Substrate Material	-	YZ LN		
Ambient Temperature	°C	25		
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	LBN19204	
		Rev. Date	2011-01-12	
		Ver.	1.0	Page 1/3

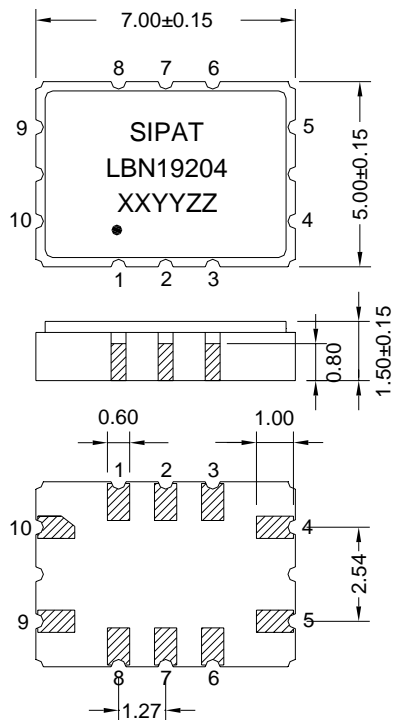
### Matching Configuration



**L1=33nH L2=56nH**  
**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) LBN19204: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

Package: SMD7.0\*5.0

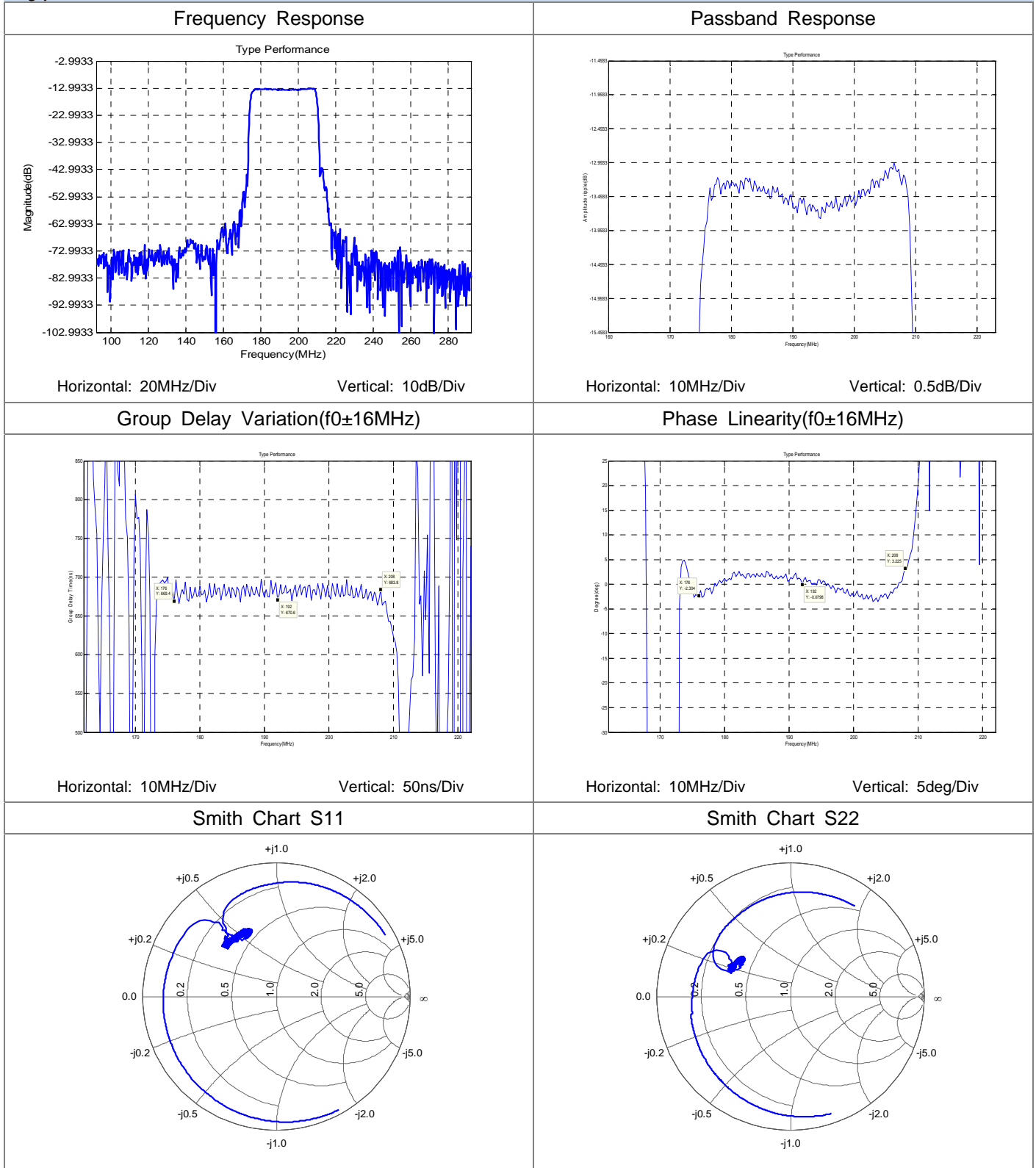
Unit: mm



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*Typical Performance*



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