



### Features


- ◇ For IF Low-loss SAW filter
- ◇ Single-ended operation
- ◇ Small size
- ◇ RoHS compliant (2002/95/EC), Pb-free

### Specifications

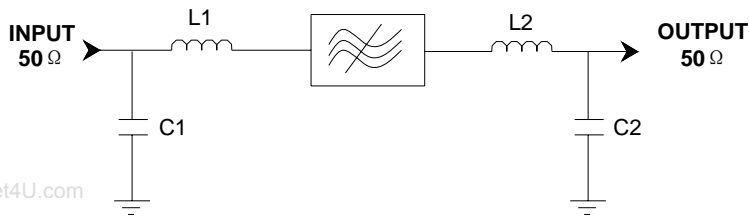
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	79.7	80	80.3
Insertion Loss	dB	-	8	10
1 dB Bandwidth	MHz	10	11.11	-
3 dB Bandwidth	MHz	-	12.34	-
Passband Variation	dB	-	0.8	1
Absolute Delay	usec	-	0.97	-
Ultimate Rejection( $f_0 \pm 11\text{MHz}$ )	dB	40	42	-
Material Temperature coefficient	KHz/°C	-7.52		
Substrate Material	-	YZ LN		
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	-	1		
Package Size	SMD13.3*6.5A			

#### 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	LBN08028	
		Rev. Date	2007-11-15	
		Ver.	1.0	Page

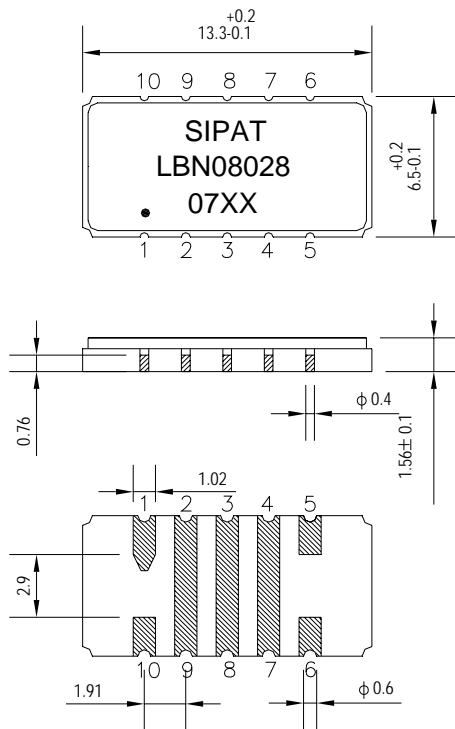
### Matching Configuration



$L1 = (180 + 39)nH$     $L2 = (150 + 22)nH$   
 $C1 = 27pF$     $C2 = 36pF$   
Source/Load Impedance = 50 ohm

Notes - Component values may change depending on board layout.

### Package Dimension



#### Pad Configuration:

Input    10  
Output    5  
Ground   All Others

#### Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) LBN08028: Part Number
- 4) 07XX: Date Code

Package: SMD13.3\*6.5A

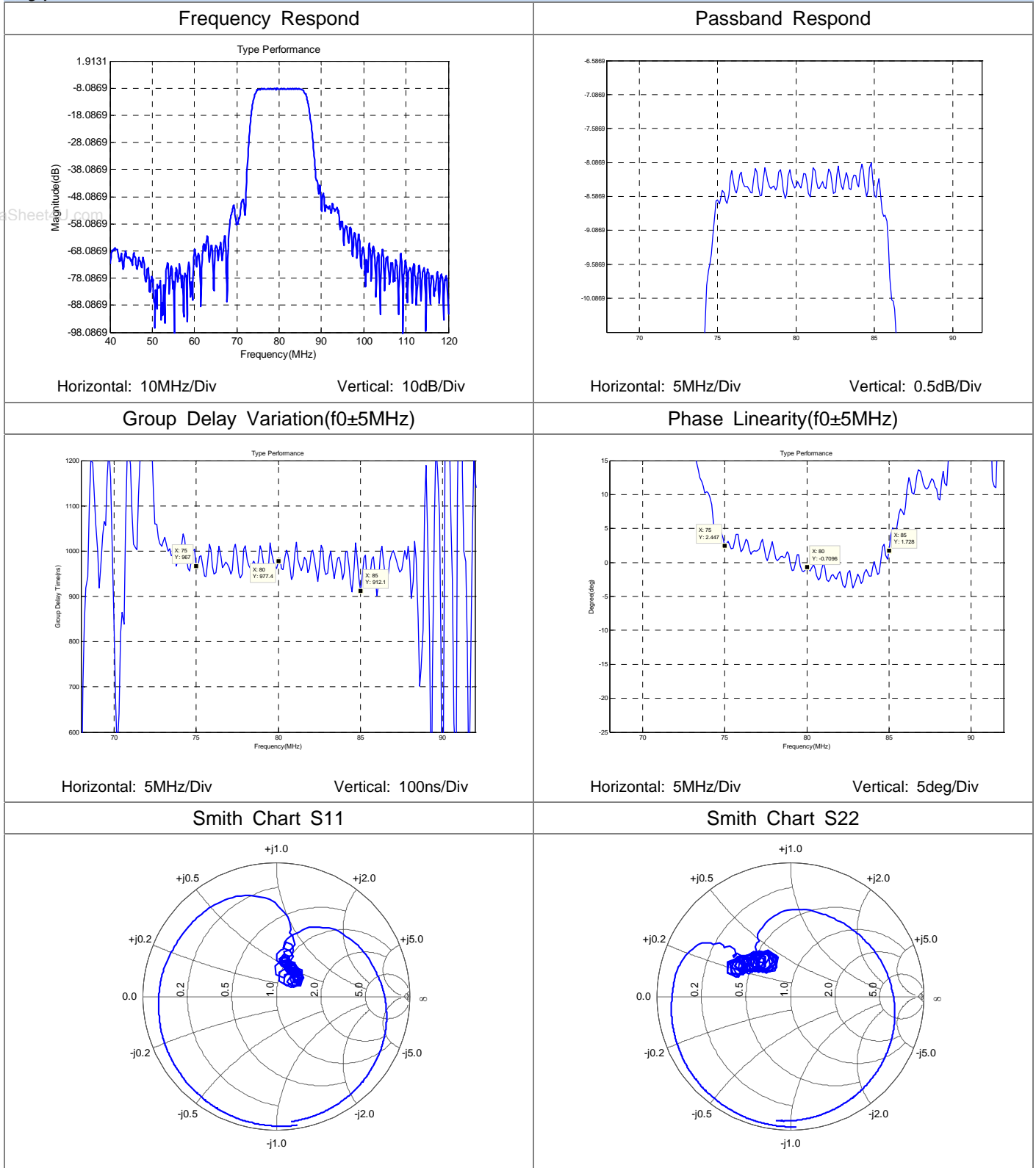
Unit: mm



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

Part Number	LBN08028	
Rev. Date	2007-11-15	
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	LBN08028	
Rev. Date	2007-11-15	
Ver.	1.0	Page 3/3