



### 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
Center Frequency	MHz	114.85	115	115.15
Insertion Loss	dB	-	27.2	28
1.2 dB Bandwidth	MHz	20.05	20.06	-
Passband Variation	dB	-	0.9	1.3
Absolute Delay	usec	-	3.58	4
Ultimate Rejection	$f_0 \pm 10.4\text{MHz}$	dB	20	-
	$f_0 \pm 10.6\text{MHz}$	dB	38	-
	$f_0 \pm 11\text{MHz}$	dB	50	-
	$f_0 \pm 12\text{MHz}$	dB	50	-
Material Temperature coefficient	KHz/°C	-10.81		
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	-	1A		
Package Size	DIP3512 (35.0x12.8x4.7mm3)			

#### Notes:

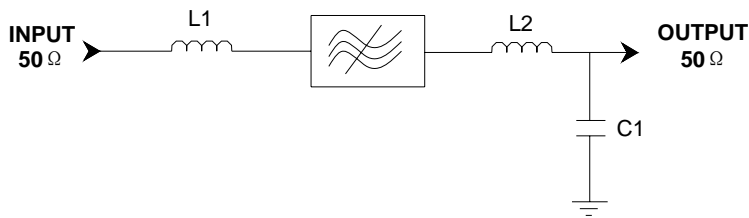
1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing 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	LBN11553		
Rev. Date	2008-03-06		
Ver.	1.0	Page 1/3	

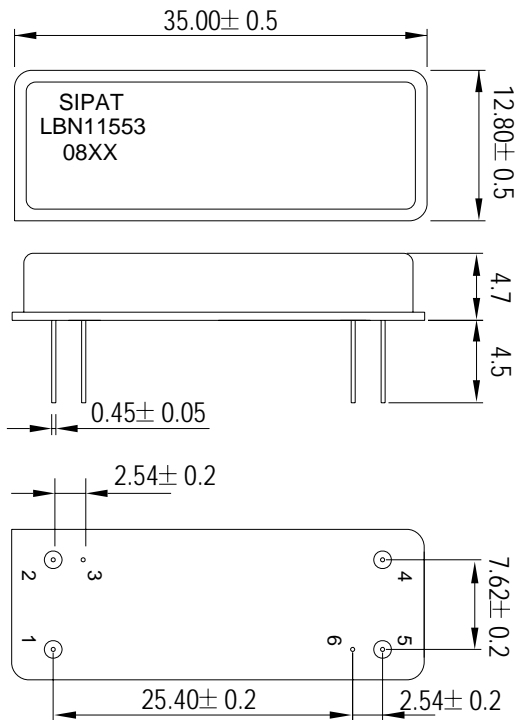
### Matching Configuration



**L1=L2=39nH**  
**C1=15pF**  
**Source/Load Impedance=50 ohm**

Notes - Component values may change depending on board layout.

### Package Dimension



#### Pad Configuration:

Input 1  
Output 5  
Ground All Others

#### Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBN11553: Part Number
- 3) 08XX: Date Code

**Package: DIP3512**

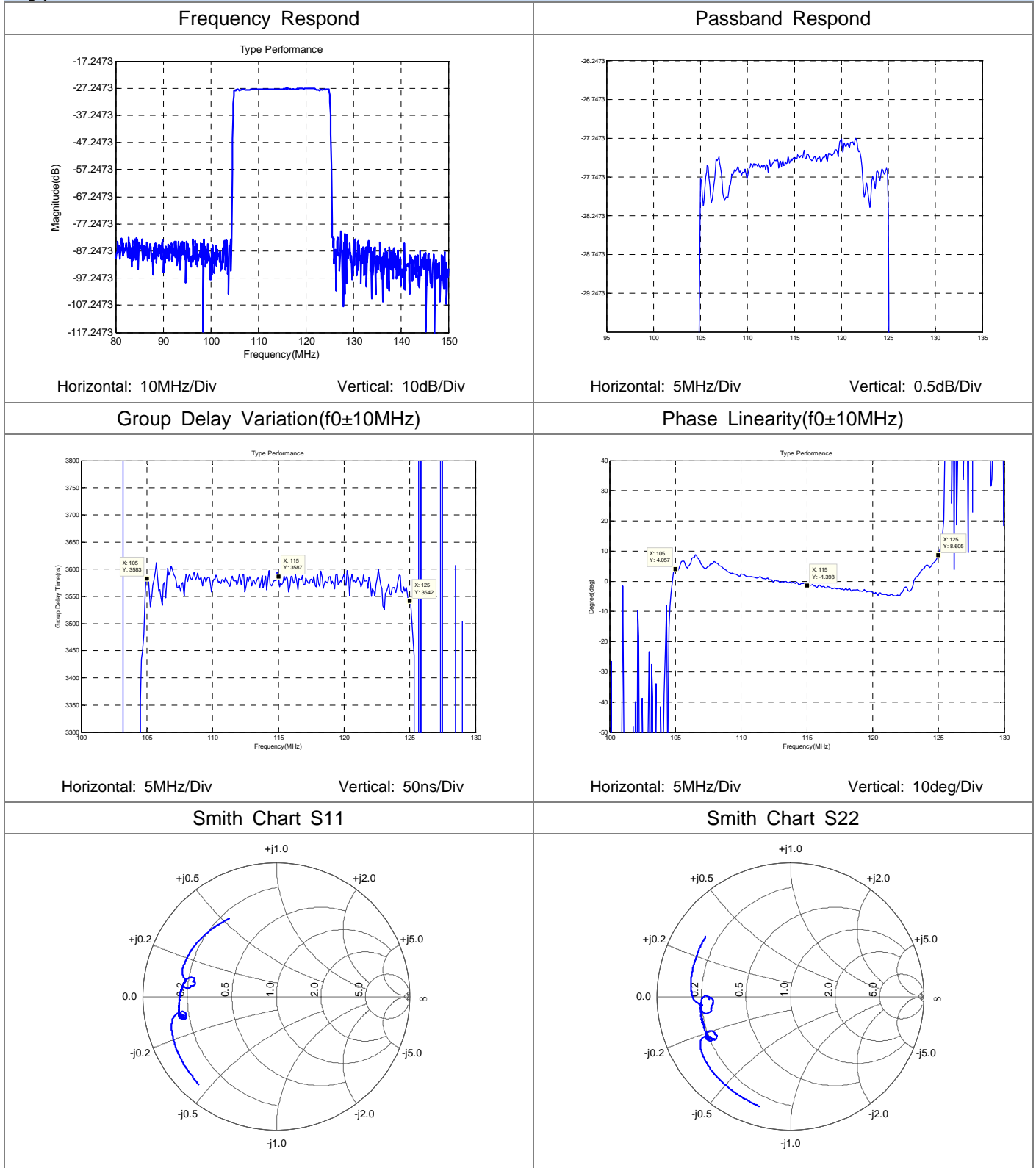
**Unit: mm**



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

Part Number	LBN11553	
Rev. Date	2008-03-06	
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	LBN11553	
Rev. Date	2008-03-06	
Ver.	1.0	Page 3/3