



### Features

- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ RoHS compliant (2002/95/EC), Pb-free

### Specifications

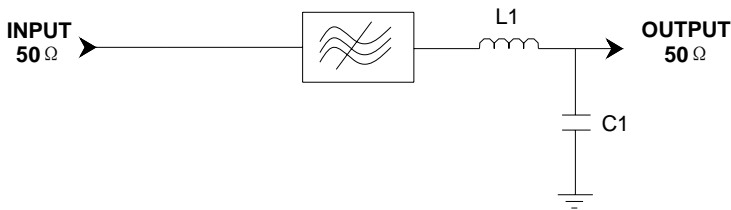
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.9	70	70.1
Insertion Loss	dB	-	25.3	26
1.2 dB Bandwidth	MHz	11.15	11.27	-
3 dB Bandwidth	MHz	-	11.41	-
40 dB Bandwidth	MHz	-	12.04	-
Passband Variation	dB	-	0.7	1.2
Phase Linearity( $f_0 \pm 5\text{MHz}$ )	deg	-	14	-
Absolute Delay	usec	-	3.77	-
Ultimate Rejection	$f_0 \pm 6\text{MHz}$	dB	30	-
	$f_0 \pm 6.2\text{MHz}$	dB	45	-
	$f_0 \pm 6.6\text{MHz}$	dB	45	-
	$f_0 \pm 9\text{MHz}$	dB	50	-
Material Temperature coefficient	KHz/°C	-6.58		
Substrate Material	-	YZ LN		
Ambient Temperature	°C	25		
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1A		
Package Size	DIP3512 (35.0x12.8x4.7mm <sup>3</sup> )			

#### 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	LBN70A67	
		Rev. Date	2010-06-02	
		Ver.	1.0	Page 1/3

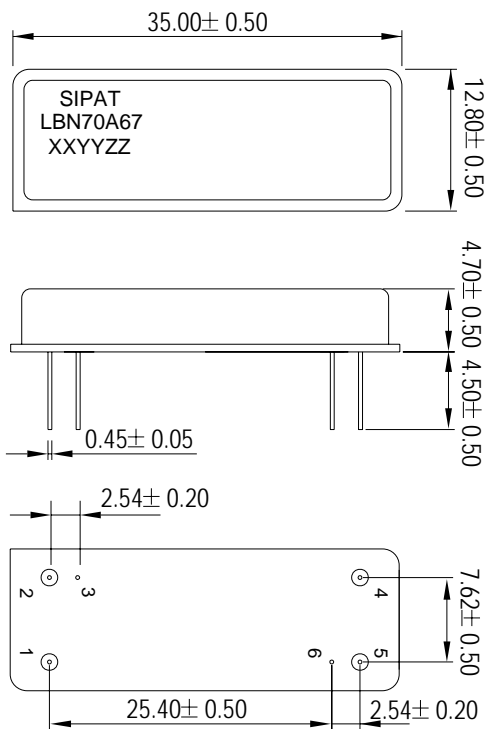
### Matching Configuration



**L1=180nH C1=39pF**  
**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) LBN70A67: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

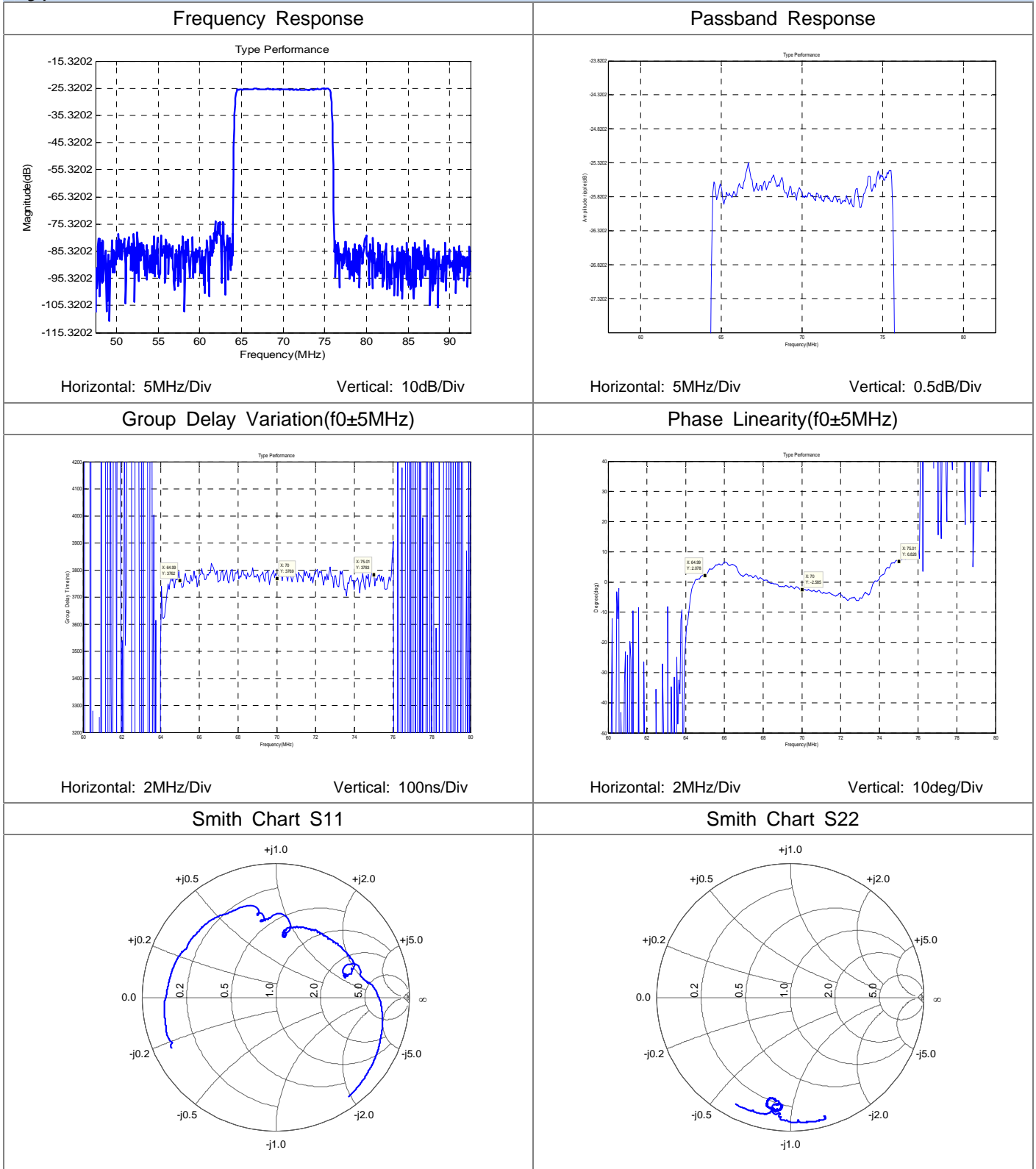
Unit: mm



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Typical Performance



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