

## Specifications

Parameter	Unit	Minimum	Typical	Maximum	
Center Frequency	MHz	69.9	70	70.1	
Insertion Loss	dB	-	22.5	26	
1 dB Bandwidth	MHz	-	8.02	-	
3 dB Bandwidth	MHz	8.1	8.21	-	
40 dB Bandwidth	MHz	-	8.95	-	
50 dB Bandwidth	MHz	-	9.01	-	
Passband Variation	dB	-	0.6	1.2	
Absolute Delay	usec	-	3.76	4	
Ultimate Rejection	$f_0 \pm 4.5\text{MHz}$	dB	35	60	-
	$f_0 \pm 4.7\text{MHz}$	dB	45	62	-
	$f_0 \pm 5.1\text{MHz}$	dB	50	63	-
	$f_0 \pm 9.1\text{MHz}$	dB	55	67	-
	$f_0 \pm 15\text{MHz}$	dB	55	68	-
Material Temperature coefficient	KHz/°C	-6.58			
Ambient Temperature	°C	25			
Package Size	DIP3512 (35.2x12.7x5.2mm3)				

### Notes:

- All specifications are based on the test circuit shown
- In production, devices will be tested at room temperature to a guardbanded specification to ensure electrical compliance over temperature
- Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances
- This is the optimum impedance in order to achieve the performance show

## Matching Configuration

INPUT  
50  $\Omega$ OUTPUT  
50  $\Omega$ 

Source/Load Impedance=50 ohm

Notes - Component values may change depending  
on board layout.
**SIPAT Co., Ltd.**  
( CETC No. 26 Research Institute )  
Nanping Huayuan Road No. 14  
Chongqing, China, 400060

Part Number LBN70A29

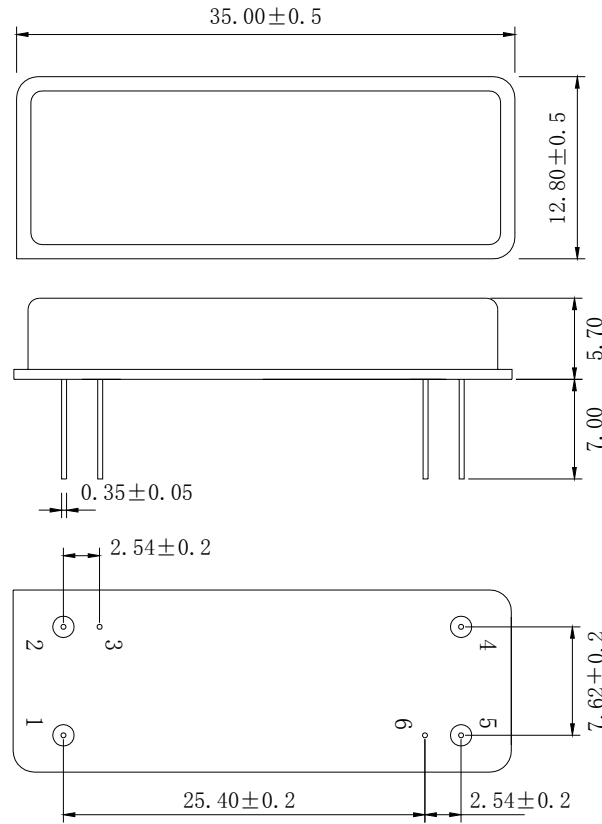
Rev. Date 2006-8-13

Rev.

1.0

Page 1/3

*Package Dimension*




Package:DIP3512

Unit:mm

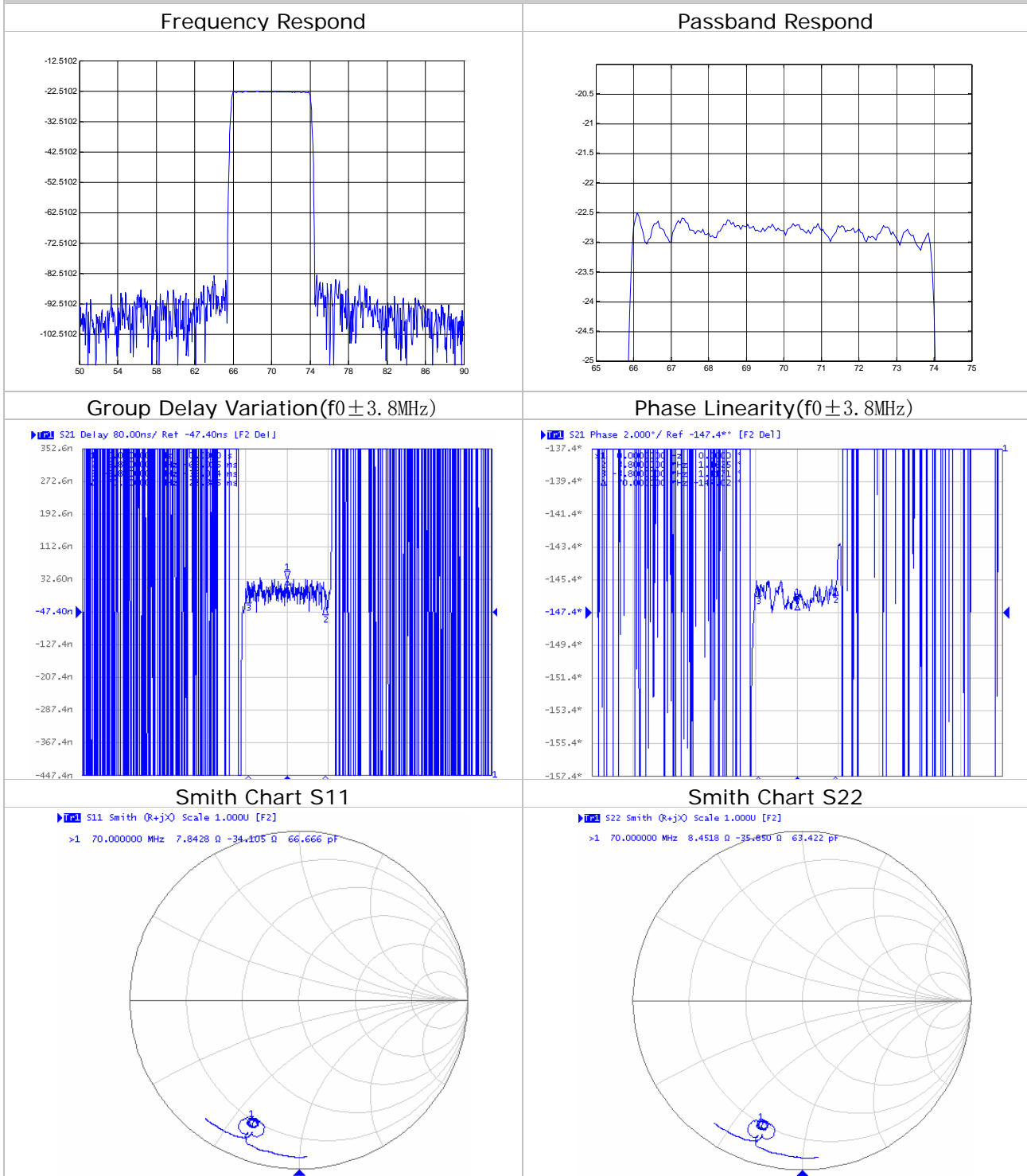
Input	1
Output	5
Ground	2,3,4,6


**Package: DIP3512**

**Unit: mm**

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		Rev.	1.0	Page

Typical Performance



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		Rev. Date	2006-8-13	
		Rev.	1.0	Page