

## Specifications

Parameter	Unit	Minimum	Typical	Maximum	
Center Frequency	MHz	69.9	70	70.1	
Insertion Loss	dB	-	25	26	
1 dB Bandwidth	MHz	-	15.54	-	
3 dB Bandwidth	MHz	15.6	15.72	-	
40 dB Bandwidth	MHz	-	16.48	-	
50 dB Bandwidth	MHz	-	16.58	-	
Passband Variation	dB	-	0.8	1.2	
Absolute Delay	usec	-	3.74	4	
Ultimate Rejection	$f_0 \pm 8.25\text{MHz}$	dB	35	51	-
	$f_0 \pm 8.45\text{MHz}$	dB	45	52	-
	$f_0 \pm 8.85\text{MHz}$	dB	50	56	-
	$f_0 \pm 12.85\text{MHz}$	dB	55	60	-
	$f_0 \pm 15\text{MHz}$	dB	55	60	-
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

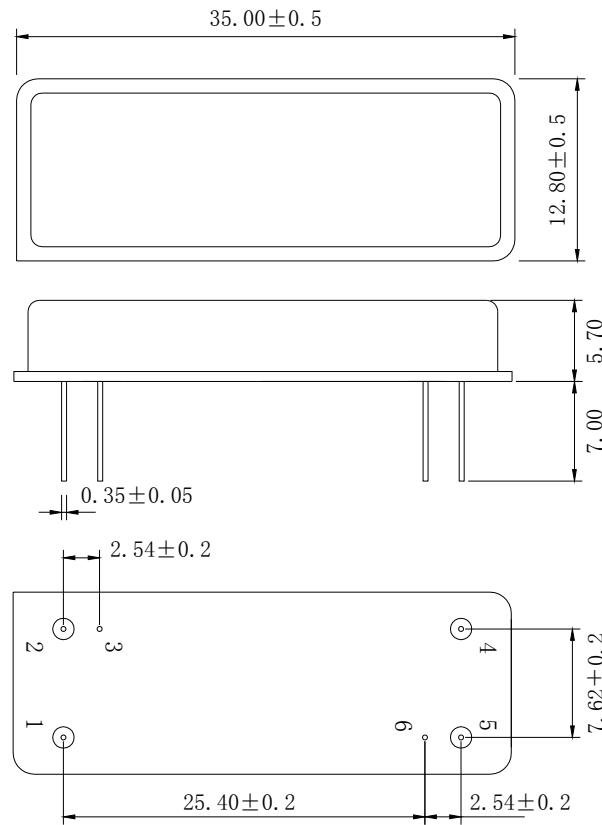


**L1=120nH L2=150nH**  
**Source/Load Impedance=50 ohm**

Notes - Component values may change depending  
on board layout.

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*Package Dimension*




Package: DIP3512

Unit: mm

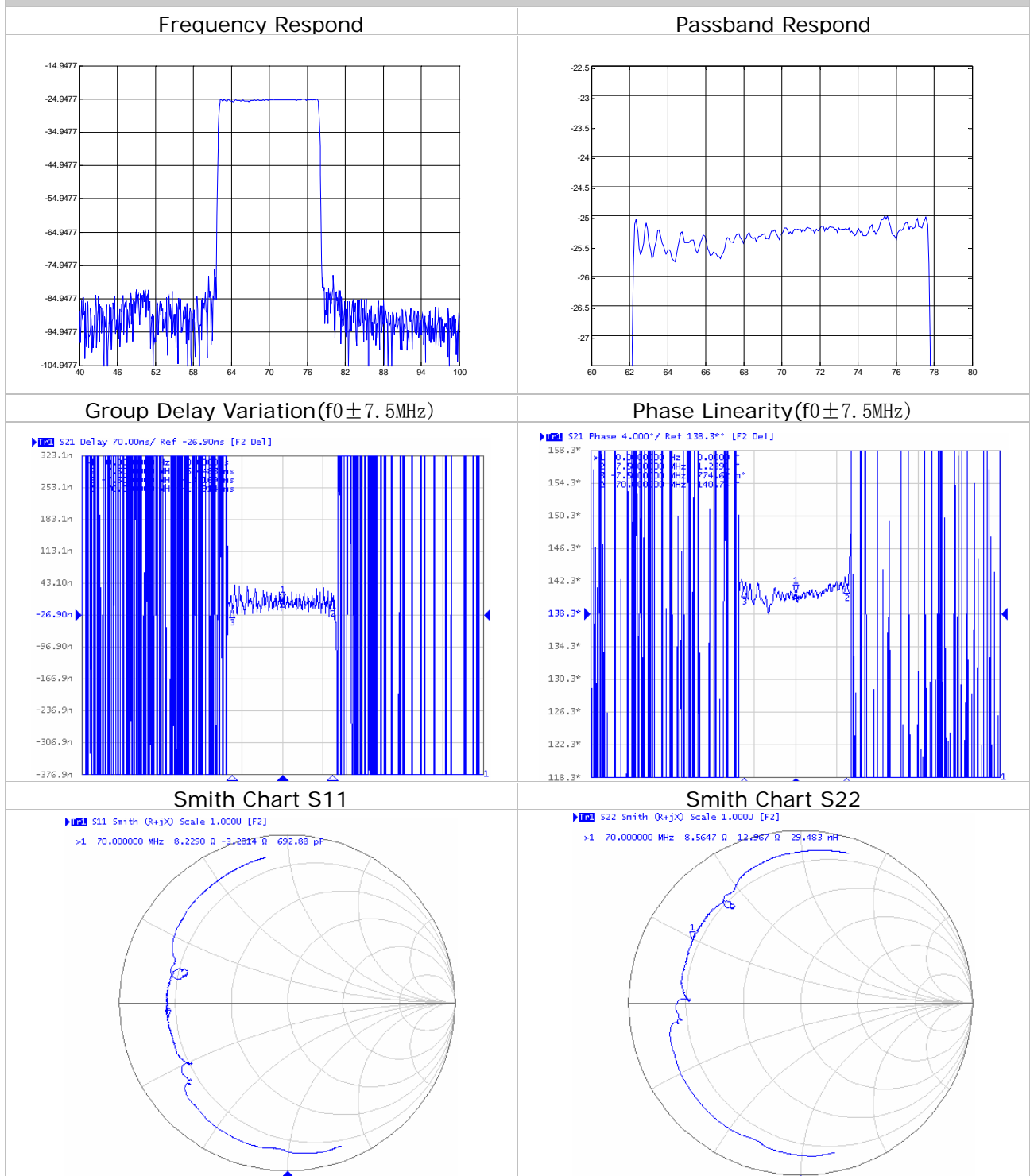
Input	1
Output	5
Ground	2,3,4,6


**Package: DIP3512**

**Unit: mm**

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Typical Performance



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