



Features

- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ No matching required for operation at 50Ω
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	139.85	140	140.15
Insertion Loss	dB	-	26.1	28
2dB Bandwidth	MHz	17.6	17.67	-
25dB Bandwidth	MHz		18.36	18.4
40dB Bandwidth			18.55	18.85
50dB Bandwidth			18.67	19.65
Passband Variation	dB	-	1.0	1.5
Absolute Delay	usec	-	3.46	4.0
Ultimate Rejection($f_c \pm 10M$)	dB	48	51	-
Material Temperature coefficient	KHz/°C		-13.16	
Substrate Material	-		YZ-LN	
Ambient Temperature	°C		25	
Operating Temperature Range	°C	-25	-	+85
Storage Temperature Range	°C	-45	-	+105
DC Voltage	V		0	
Input Power	dBm	-	-	10
ESD Class	-		1A	
Package Size		DIP3512 (35*12.6*5.2mm3)		

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.



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Part Number	LBN140A72		
Rev. Date	2011-12-21		
Ver.	1.0	Page	1/3

Matching Configuration

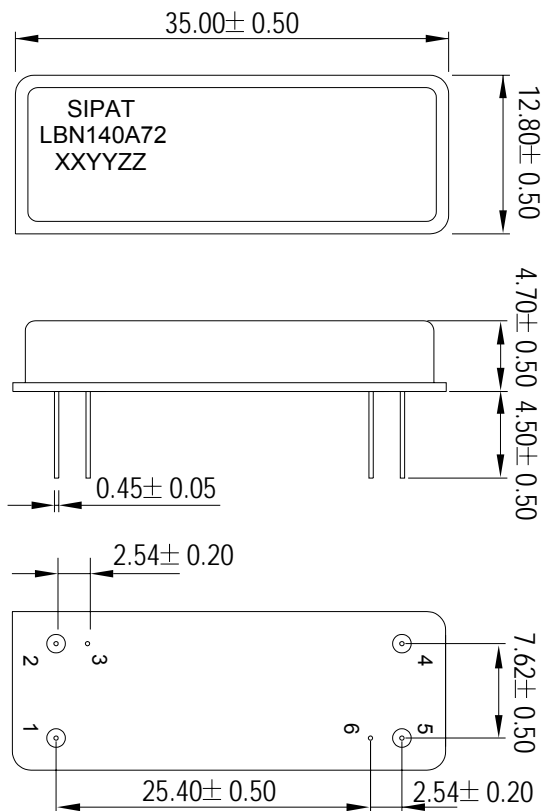
手动测试座



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 1
Output 5
Ground 2、3、4、6

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBN140A72: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

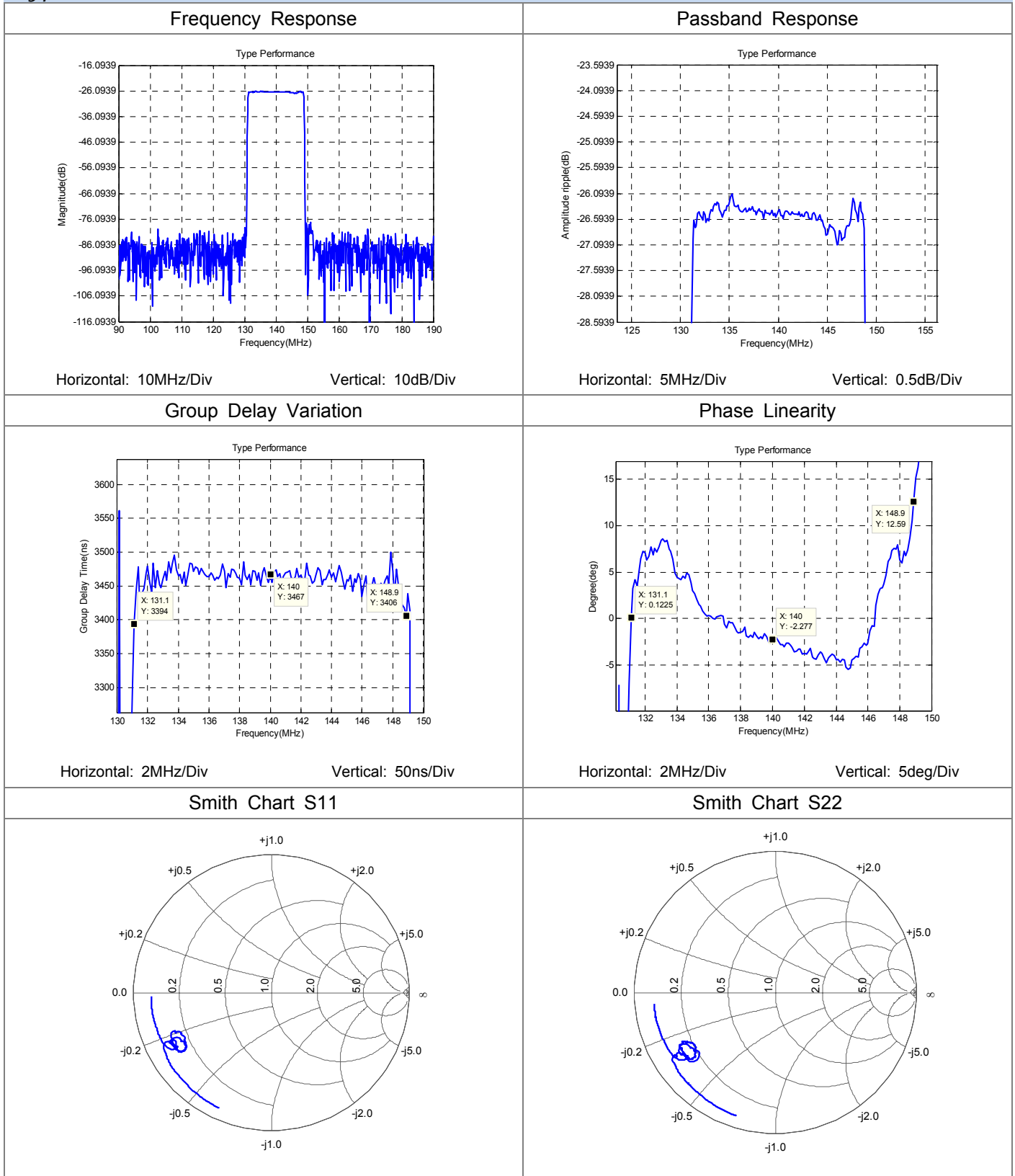
Unit: mm



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Typical Performance



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