



### Features

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

### Specifications

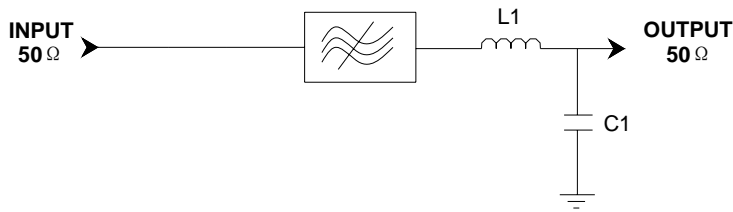
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	119.875	120	120.125
Insertion Loss	dB	-	26.1	28
1.5 dB Bandwidth	MHz	12.4	12.44	-
3 dB Bandwidth	MHz	-	12.64	-
18 dB Bandwidth	MHz	-	13.3	13.35
25 dB Bandwidth	MHz	-	13.45	13.6
30 dB Bandwidth	MHz	-	13.54	13.8
40 dB Bandwidth	MHz	-	13.68	14.9
Passband Variation	dB	-	1.1	1.5
Absolute Delay	usec	-	2.66	2.75
Ultimate Rejection( $f_0 \pm 10\text{MHz}$ )	dB	40	52	-
Material Temperature coefficient	KHz/°C	-11.28		
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.

	<b>SIPAT Co., Ltd.</b> ( CETC No.26 Research Institute ) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBN12003	
		Rev. Date	2010-06-03	
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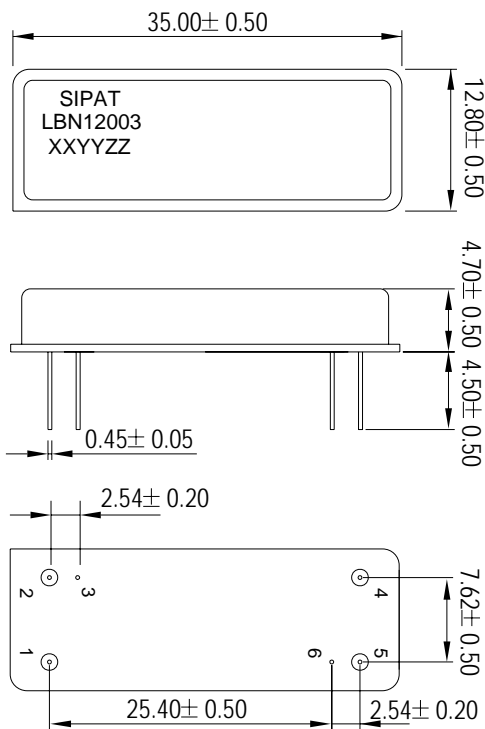
### Matching Configuration



**L1=100n C1=22pF**  
**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) LBN12003: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

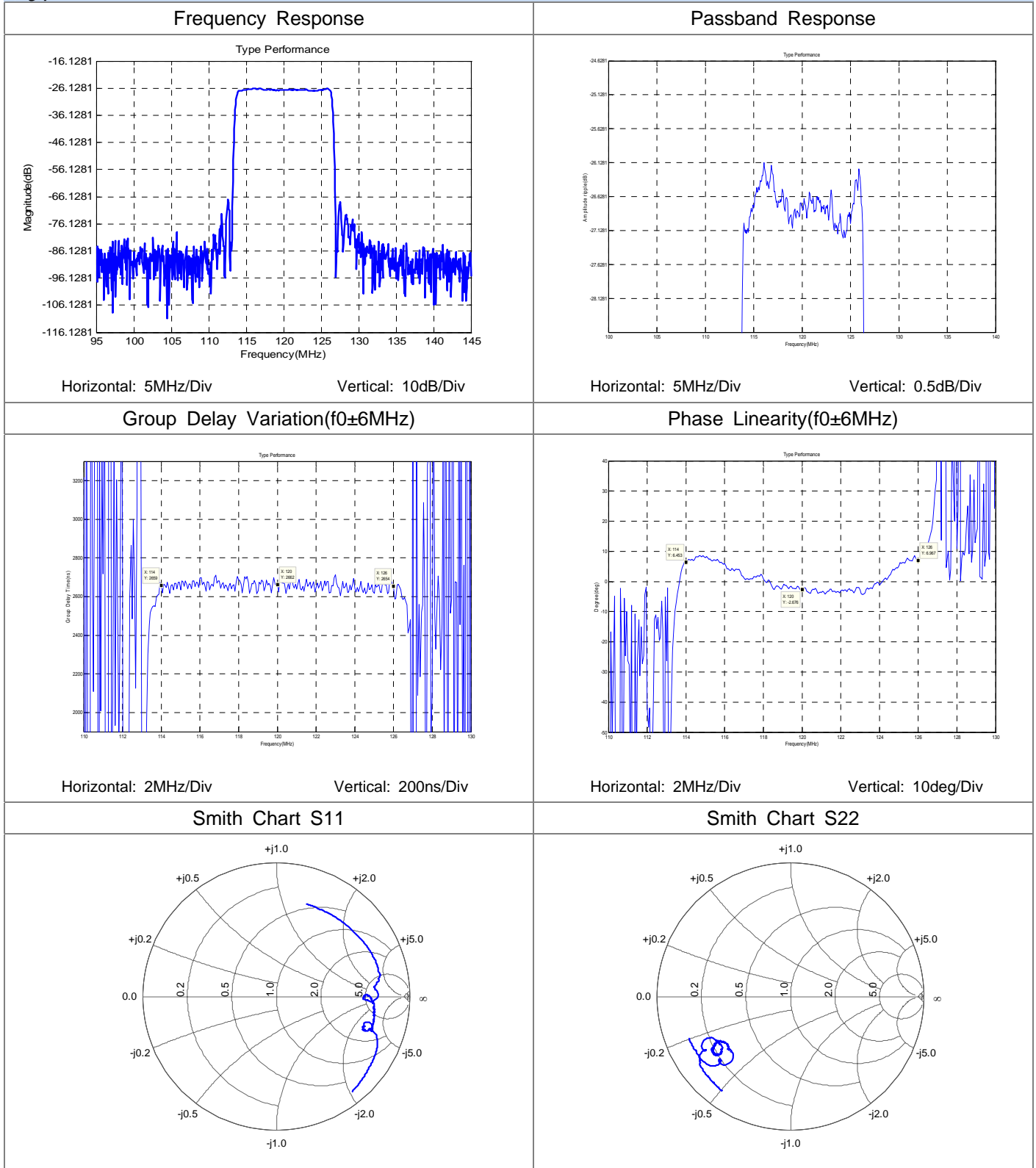
Unit: mm



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Typical Performance



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