



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	118.85	120	120.15
Insertion Loss	dB	-	27	30
1.5 dB Bandwidth	MHz	18	18.02	-
25 dB Bandwidth	MHz	-	18.85	18.9
42 dB Bandwidth	MHz	-	19	19.2
Phase Linearity($f_0 \pm 9\text{MHz}$)	deg	-	15	-
Group Delay Variation($f_0 \pm 9\text{MHz}$)	nsec	-	60	120
Passband Variation	dB	-	0.9	1.5
Absolute Delay	usec	-	2.84	2.9
Ultimate Rejection	dB	45	51	-
Material Temperature coefficient	KHz/°C	-11.3		
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 ³)			

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.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBN12041	
		Rev. Date	2009-11-17	
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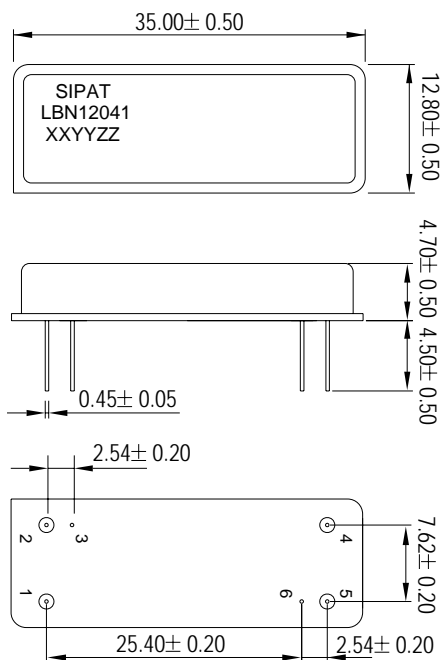
Matching Configuration



L1=82nH
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) LBN12041: Part Number
- 3) XXYZ: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

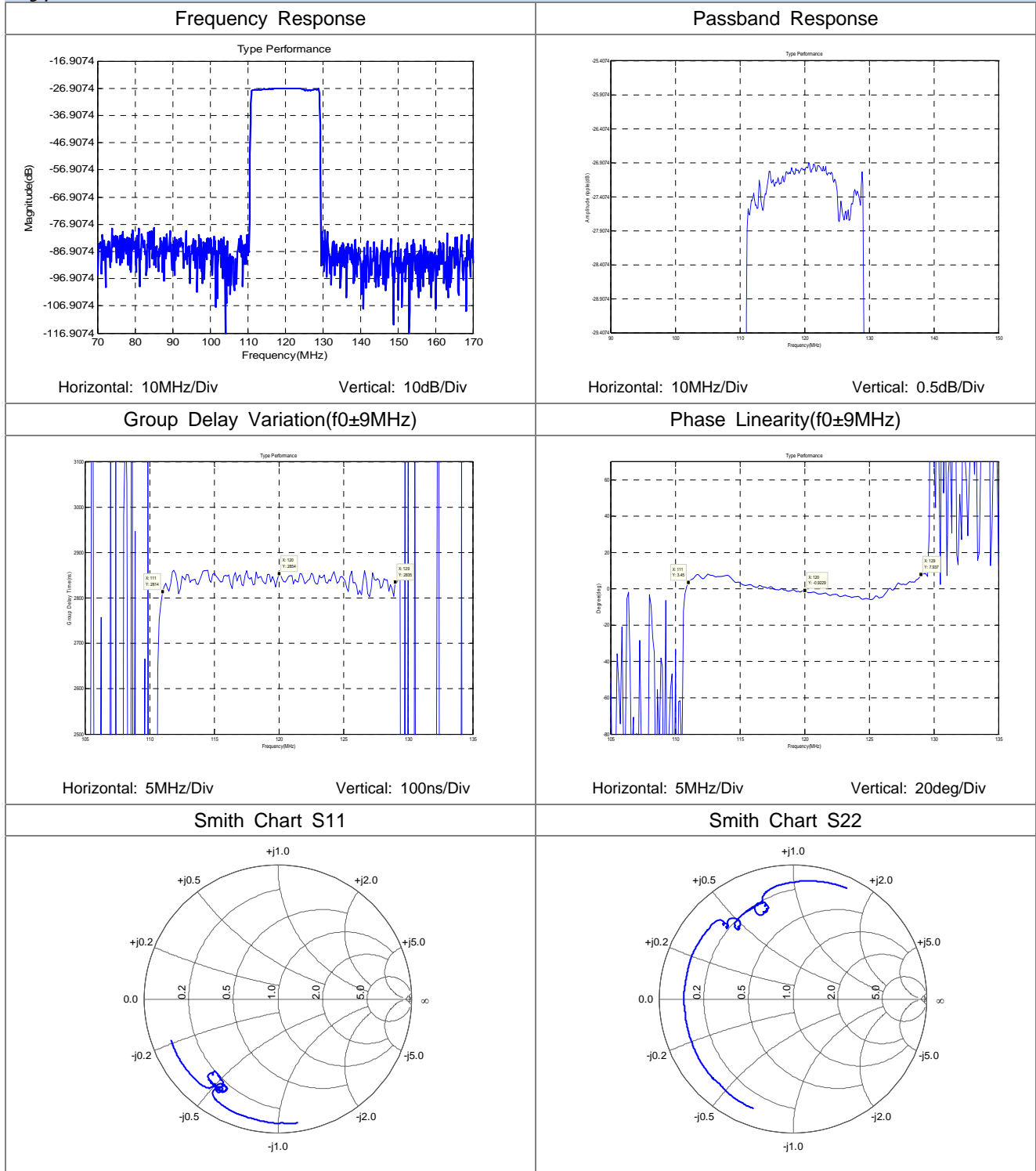
Unit: mm



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Typical Performance



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