



Features


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

Specifications

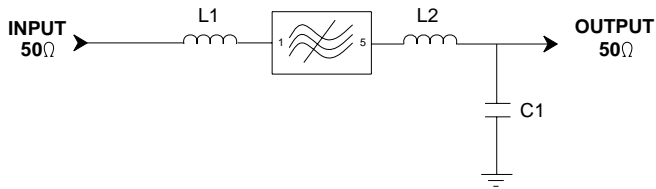
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	119.85	120	120.15
Insertion Loss	dB	-	31.1	32
1.5 dB Bandwidth	MHz	-	5.64	-
3 dB Bandwidth	MHz	5.75	5.8	-
30 dB Bandwidth	MHz	-	6.59	6.65
40 dB Bandwidth	MHz	-	6.69	-
45 dB Bandwidth	MHz	-	6.73	-
Passband Variation	dB	-	0.5	1.5
Absolute Delay	usec	-	2.9	3
Ultimate Rejection($f_0 \pm 10\text{MHz}$)	dB	45	49	-
Material Temperature coefficient	KHz/°C	0.12		
Substrate Material	-	Qz		
Ambient Temperature	°C	25		
Operating Temperature Range	°C	-25	-	+85
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1C		
Package Size	DIP3512 (35.0x12.8x4.7)			

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	LBS12044	
		Rev. Date	2011-07-18	
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Matching Configuration



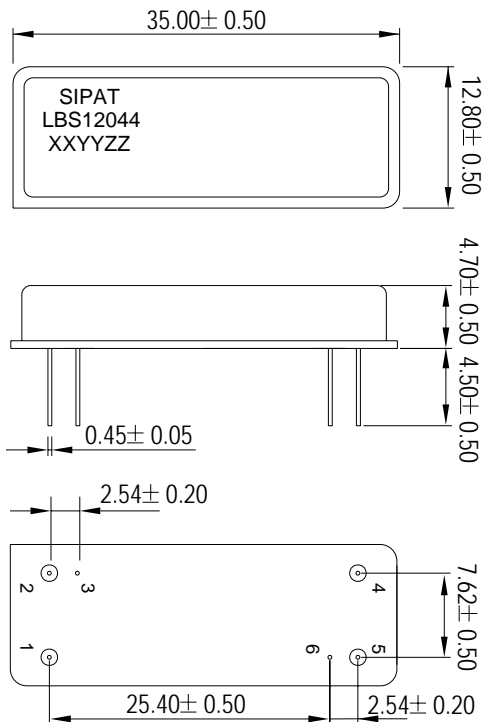
L1=150nH L2=100nH

C1=39pF

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) LBS12044: Part Number

3) XXYY: Date(Year/month)

4) ZZ: Identified Code

Package: DIP3512

Unit: mm



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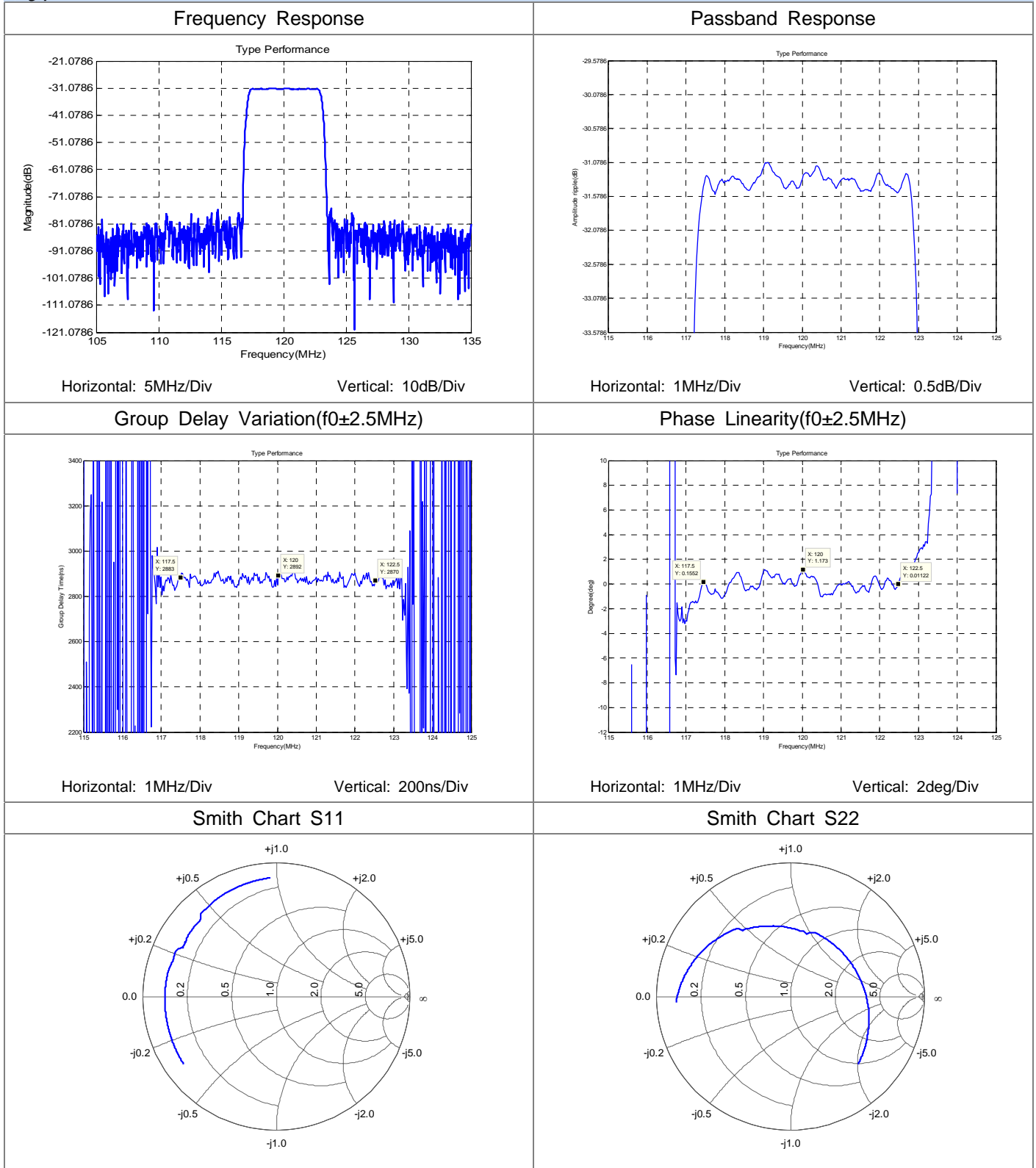
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Typical Performance



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