



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	49.9	50	50.1
Insertion Loss	dB	-	22.4	26
3dB Bandwidth	MHz	1.2	1.25	-
30 dB Bandwidth	MHz		1.89	2
40 dB Bandwidth	MHz	-	1.98	2.05
45dB Bandwidth	MHz		2.03	2.2
Passband Variation	dB	-	0.6	1
Absolute Delay	usec	-	3.52	
Ultimate Rejection($f_0 \pm 15\text{MHz}$)	dB	45	55	-
Material Temperature coefficient	KHz/°C	0.05		
Substrate Material	-	ST42QZ		
Ambient Temperature	°C	25		
Operating Temperature Range	°C	-25	-	+85
Storage Temperature Range	°C	-45	-	+85
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1C		
Package Size	DIP3512 (35*12.6*5.2mm3)			

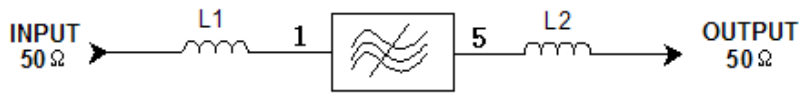
Notes:

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.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBS05002	
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Matching Configuration

手动测试座

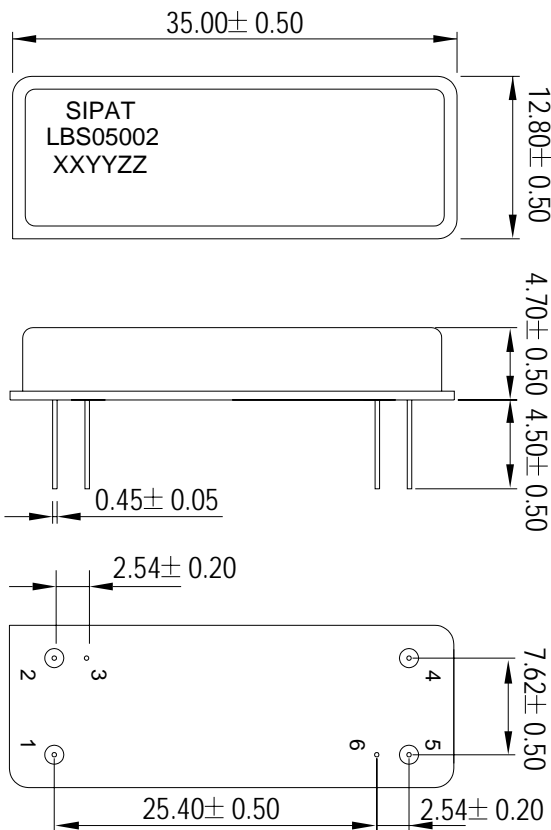


L1=680nH L2=680nH

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) LBS05002: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

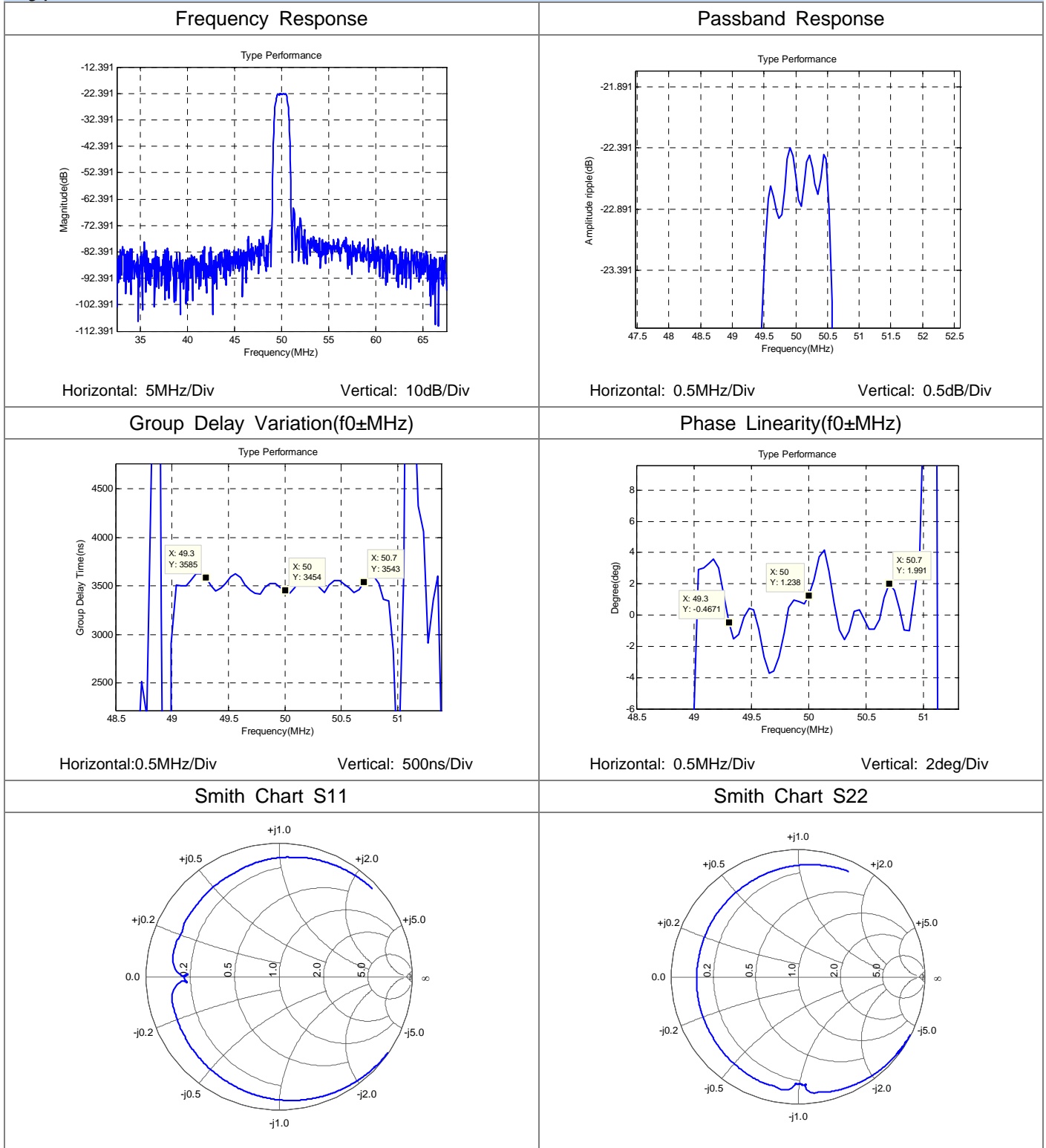
Unit: mm



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Typical Performance



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