



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	137.5	137.6	137.7
Insertion Loss	dB	-	21.4	26
1.5dB Bandwidth	MHz	0.85	0.97	
3dB Bandwidth	MHz	1.0	1.10	-
30 dB Bandwidth	MHz		1.72	1.8
40dB Bandwidth	MHz	-	1.81	2.0
45dB Bandwidth	MHz		1.84	2.2
50dB Bandwidth			1.86	2.8
Passband Variation	dB	-	0.3	1.0
Absolute Delay	usec	-	3.39	4.0
Ultimate Rejection($f_0 \pm 5.5\text{MHz}$)	dB	50	51	-
Material Temperature coefficient	KHz/°C	0.14		
Substrate Material	-	ST-QZ		
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	-	1C		
Package Size	DIP3512 (35*12.6*5.2mm3)			

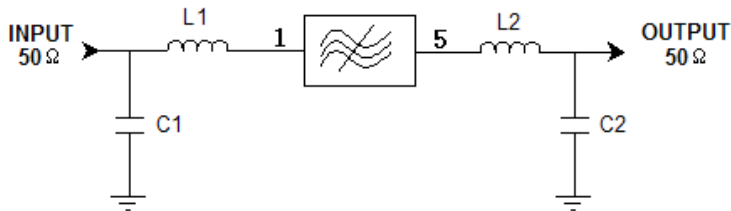
Notes:

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	LBS13815	
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Matching Configuration

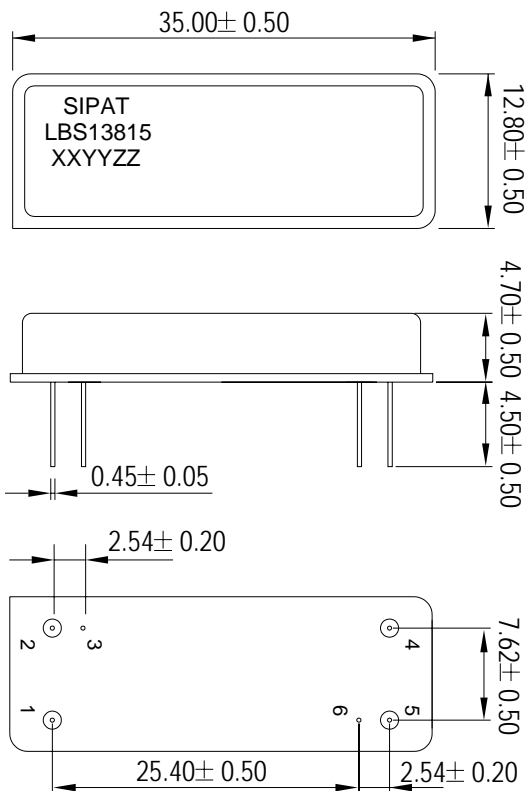
手动测试座



L1=39nH L2=39nH
C1=22pF C2=22pF
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) LBS113815: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

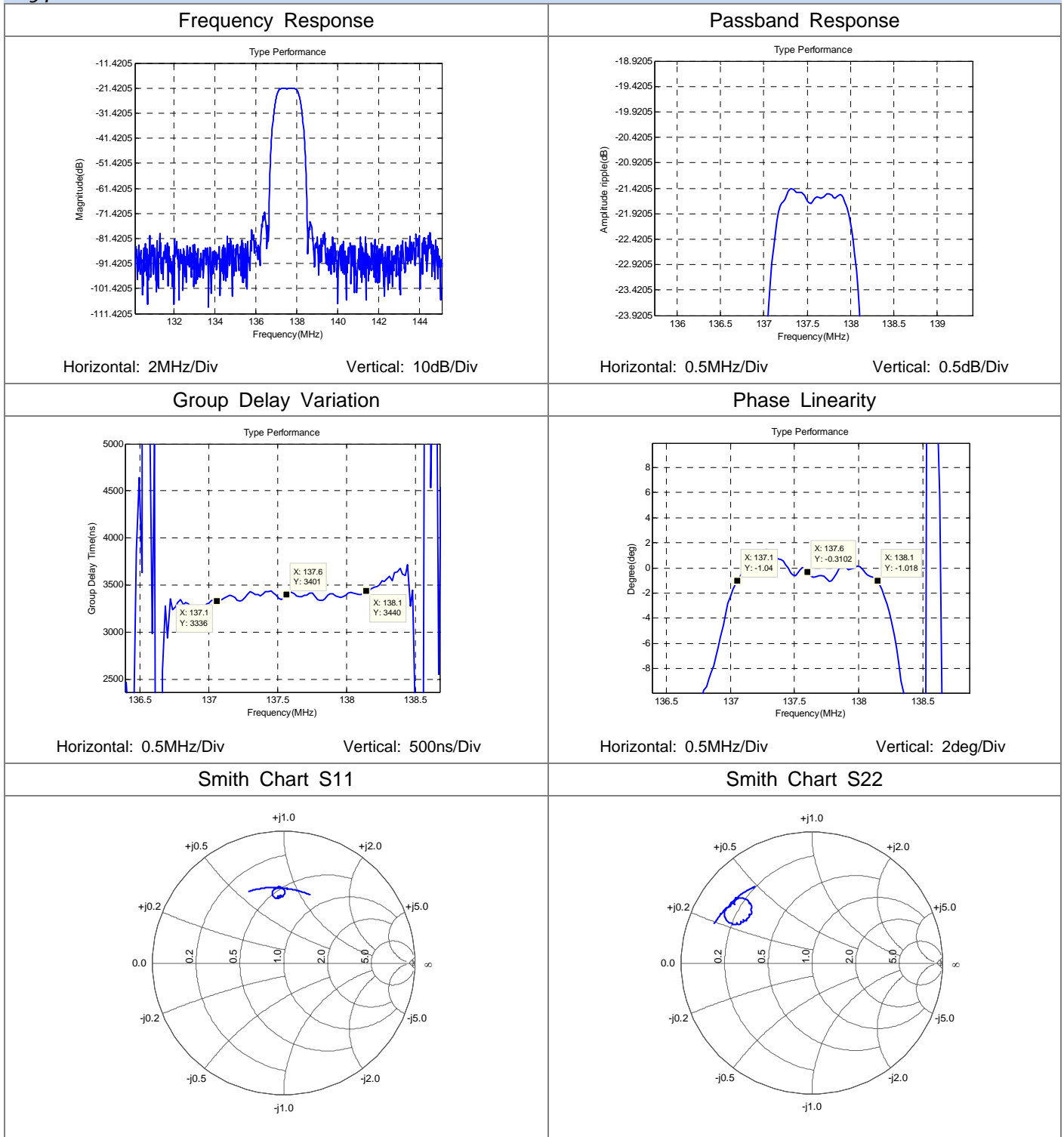
Unit: mm



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Typical Performance



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