



### 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
<i>Center Frequency</i>	MHz	106.4	106.5	106.6
<i>Insertion Loss</i>	dB	-	22.3	26
<i>1.5dB Bandwidth</i>	MHz	2.45	2.53	-
<i>3dB Bandwidth</i>	MHz	2.5	2.65	-
<i>30 dB Bandwidth</i>	MHz	-	3.32	3.35
<i>40dB Bandwidth</i>	MHz	-	3.44	3.6
<i>50dB Bandwidth</i>	MHz	-	3.56	4.2
<i>Passband Variation</i>	dB	-	0.4	1.0
<i>Absolute Delay</i>	usec	-	3.51	4.0
<i>Ultimate Rejection(f0±10MHz)</i>	dB	55	58	-
<i>Material Temperature coefficient</i>	KHz/°C	0.11		
<i>Substrate Material</i>	-	ST-QZ		
<i>Ambient Temperature</i>	°C	25		
<i>Operating Temperature Range</i>	°C	-25	-	+85
<i>Storage Temperature Range</i>	°C	-45	-	+105
<i>DC Voltage</i>	V	0		
<i>Input Power</i>	dBm	-	-	10
<i>ESD Class</i>	-	1C		
<i>Package Size</i>	DIP3512 (35*12.6*5.2mm3)			

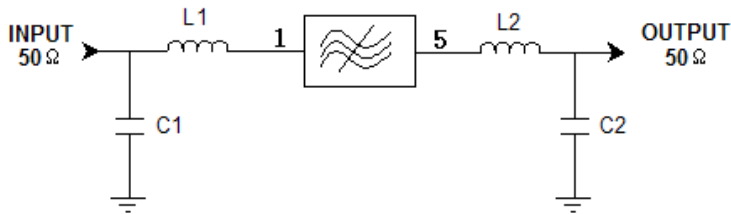
#### Notes:

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.

	<b>SIPAT Co., Ltd.</b> ( CETC No.26 Research Institute ) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBS10712	
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### Matching Configuration

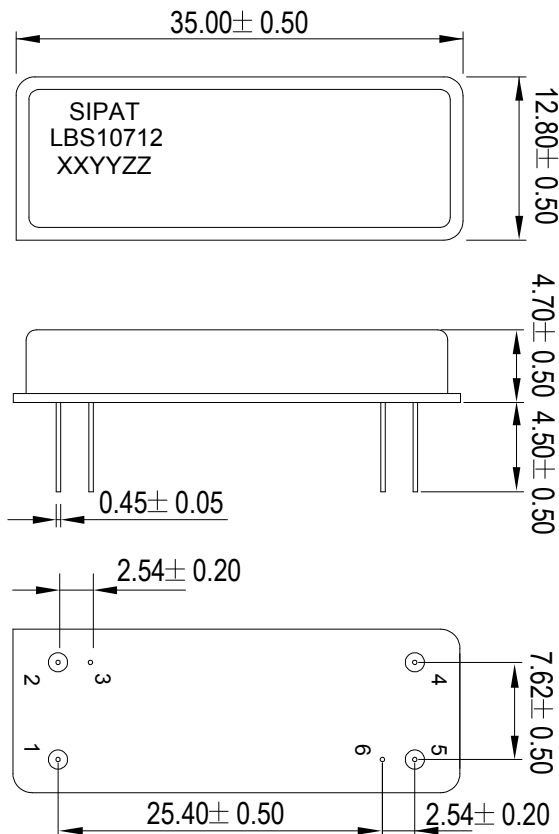
手动测试座



**L1=150nH L2=100nH**  
**C1=36pF C2=56pF**  
**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) LBS10712: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

**Package: DIP3512**

**Unit: mm**



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*Typical Performance*

