



Features


- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ No matching required for operation at 50Ω
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	96.85	96	96.15
Insertion Loss	dB	-	7.4	10
1dB Bandwidth	MHz	0.2	0.26	
3dB Bandwidth	MHz	0.3	0.35	
40dB Bandwidth	MHz		0.97	1.0
Passband Variation	dB		0.6	1.0
Ultimate Rejection	$f_0 \pm 2\text{MHz}$	37	38	
Material Temperature coefficient	KHz/°C		0.096	
Substrate Material	-		AT-QZ	
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		SMD1365C		

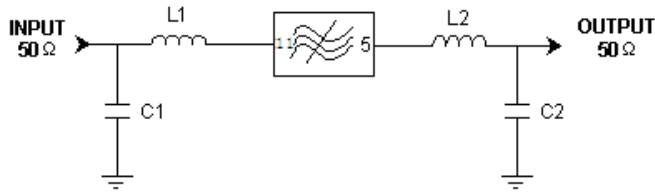
Notes:

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	LBS09614	
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Matching Configuration

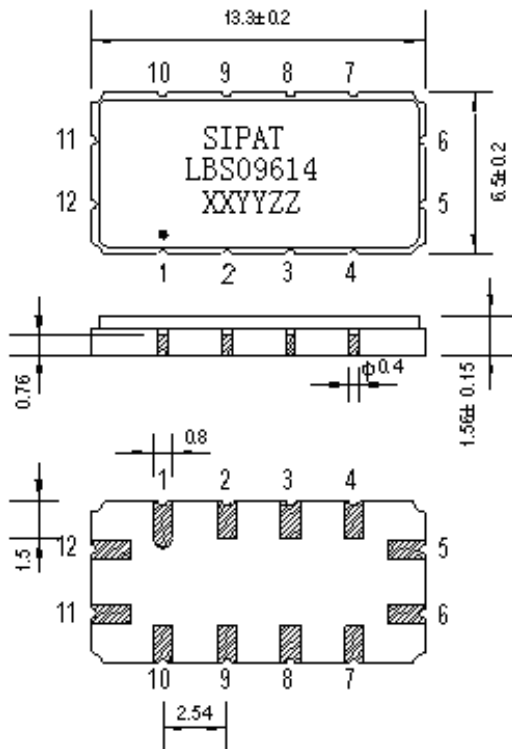
手动测试座



L1=180+62nH L2=180+47nH
C1=39+22pf C2=62+22pf
Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 11
Output 5
Ground 2、3、4、6

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBS09614: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: SMD1365

Unit: mm



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Typical Performance

