



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	94.85	95	95.15	
Insertion Loss	dB	-	22.5	26	
3dB Bandwidth	MHz	9.2	9.37	-	
20dB Bandwidth	MHz	-	9.87	10	
Passband Variation	dB	-	0.6	1.2	
Absolute Delay	usec	-	3.47	4.0	
Ultimate Rejection	(f0±5.0MHz)	dB	18	20	-
	(f0±5.2MHz)	dB	35	40	-
	(f0±5.6MHz)	dB	45	50	-
	(f0±9.6MHz)	dB	50	55	-
Material Temperature coefficient	KHz/°C	-8.93			
Substrate Material	-	YZ-LN			
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	-	1A			
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	LBN09509	
		Rev. Date	2012-01-10	
		Ver.	1.0	Page 1/3

Matching Configuration

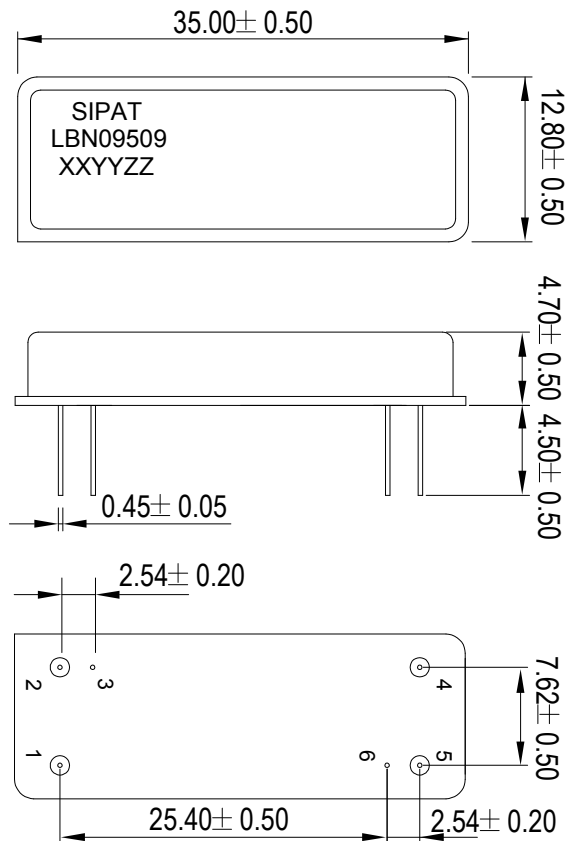
手动测试座



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) LBN09509: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

Unit: mm



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

Part Number	LBN09509	
Rev. Date	2012-01-10	
Ver.	1.0	Page 2/3



Typical Performance

