



Features

- ◇ For RF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

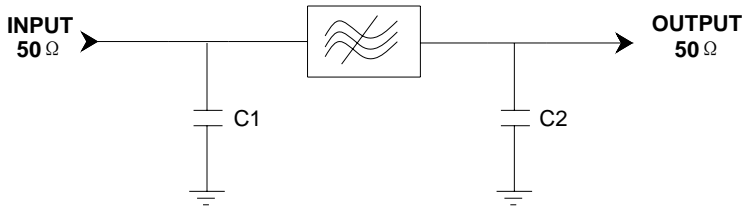
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	875	-
Insertion Loss	dB	-	23.5	25.5
1 dB Bandwidth	MHz	10	10.78	-
3 dB Bandwidth	MHz	-	11.26	-
40 dB Bandwidth	MHz	-	13.95	14.5
Passband Variation($f_0 \pm 5\text{MHz}$)	dB	-	0.8	1.2
Group Delay Variation($f_0 \pm 5\text{MHz}$)	nsec	-	65	130
Absolute Delay	usec	-	1.49	-
Ultimate Rejection($f_0 \pm 7.5\text{MHz}$)	dB	40	48	-
Ambient Temperature	°C	25		
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1C		
Package Size	SMD13.3*6.5			

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	LBS87504	
		Rev. Date	2010-07-26	
		Ver.	1.0	Page 1/3

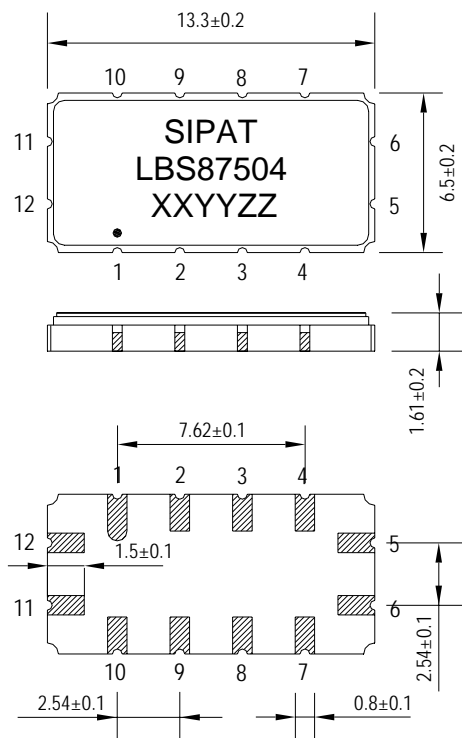
Matching Configuration



$C1=C2=6\text{pF}$
Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 11
Output: 5
Ground: All Others

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) LBS87504: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

Package: SMD13.3*6.5

Unit: mm



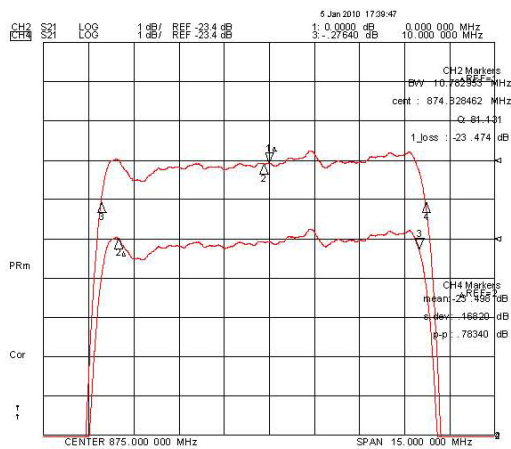
SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

Part Number	LBS87504	
Rev. Date	2010-07-26	
Ver.	1.0	Page 2/3

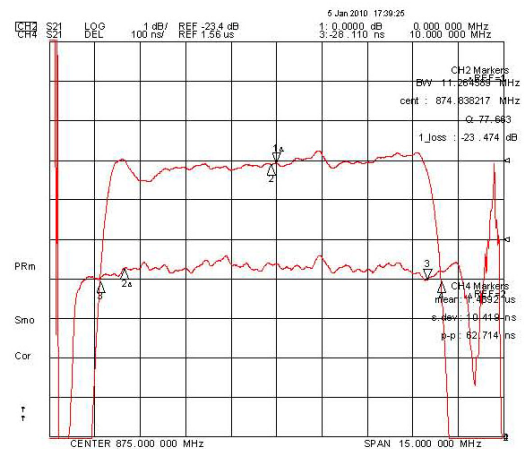


Typical Performance

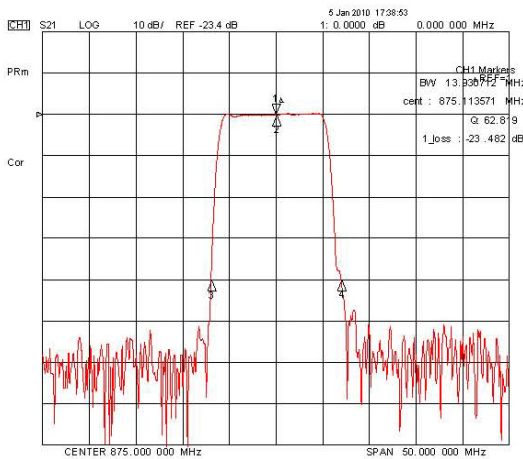
1dB Bandwidth & Ripple($f_0 \pm 5\text{MHz}$)



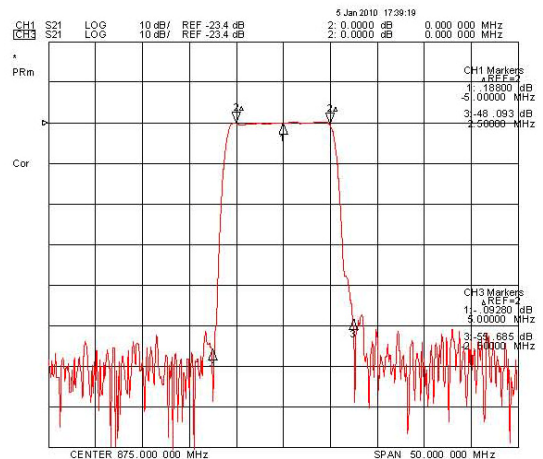
3dB Bandwidth & Group Delay($f_0 \pm 5\text{MHz}$)



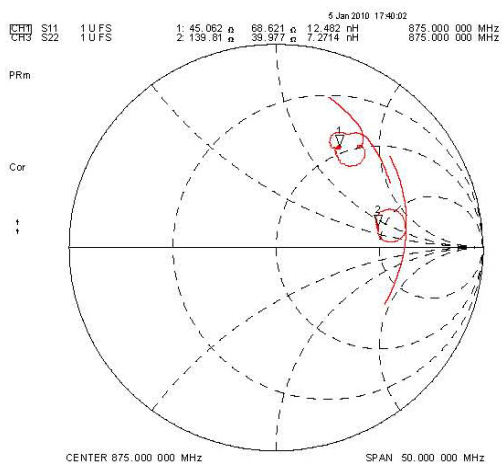
40dB Bandwidth



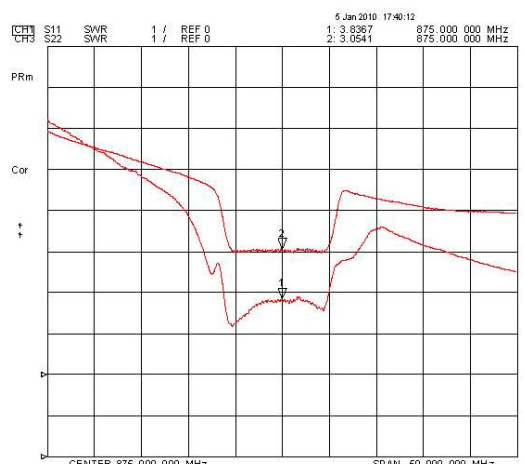
Attenuation($f_0 \pm 7.5\text{MHz}$)



Smith Chart (S11&S22)



SWR (S11&S22)



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

Part Number	LBS87504	
Rev. Date	2010-07-26	
Ver.	1.0	Page 3/3