



### Features


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

### Specifications

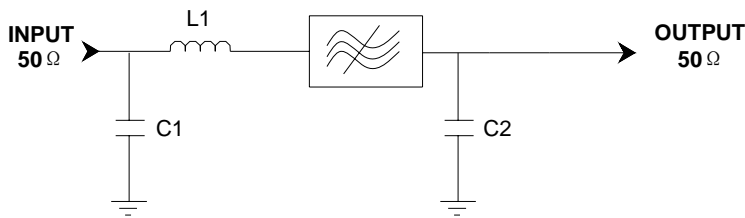
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	830	-
Insertion Loss	dB	-	23.5	25.5
1 dB Bandwidth	MHz	-	10.7	-
3 dB Bandwidth	MHz	-	11.38	-
40 dB Bandwidth	MHz	-	14.1	-
Passband Variation( $f_0 \pm 5\text{MHz}$ )	dB	-	0.7	1.3
Group Delay Variation( $f_0 \pm 5\text{MHz}$ )	nsec	-	60	110
Absolute Delay	usec	-	1.33	-
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.

	<b>SIPAT Co., Ltd.</b> ( CETC No.26 Research Institute ) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBS83006	
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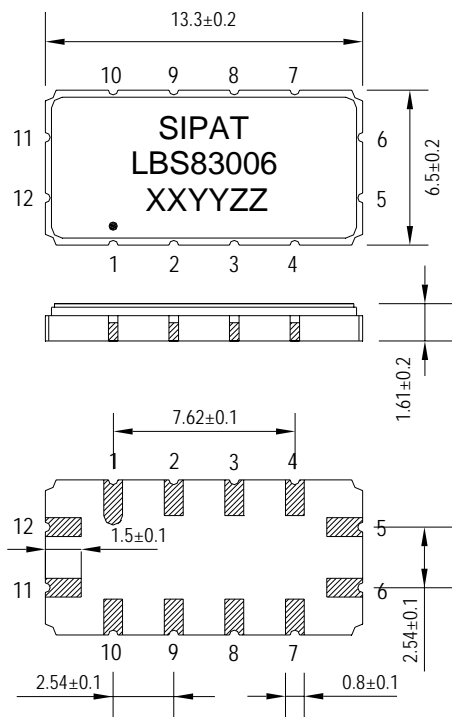
### Matching Configuration



**L1=3.3nH**  
**C1=7pF C2=11pF**  
**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) LBS83006: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

**Package: SMD13.3\*6.5**

**Unit: mm**

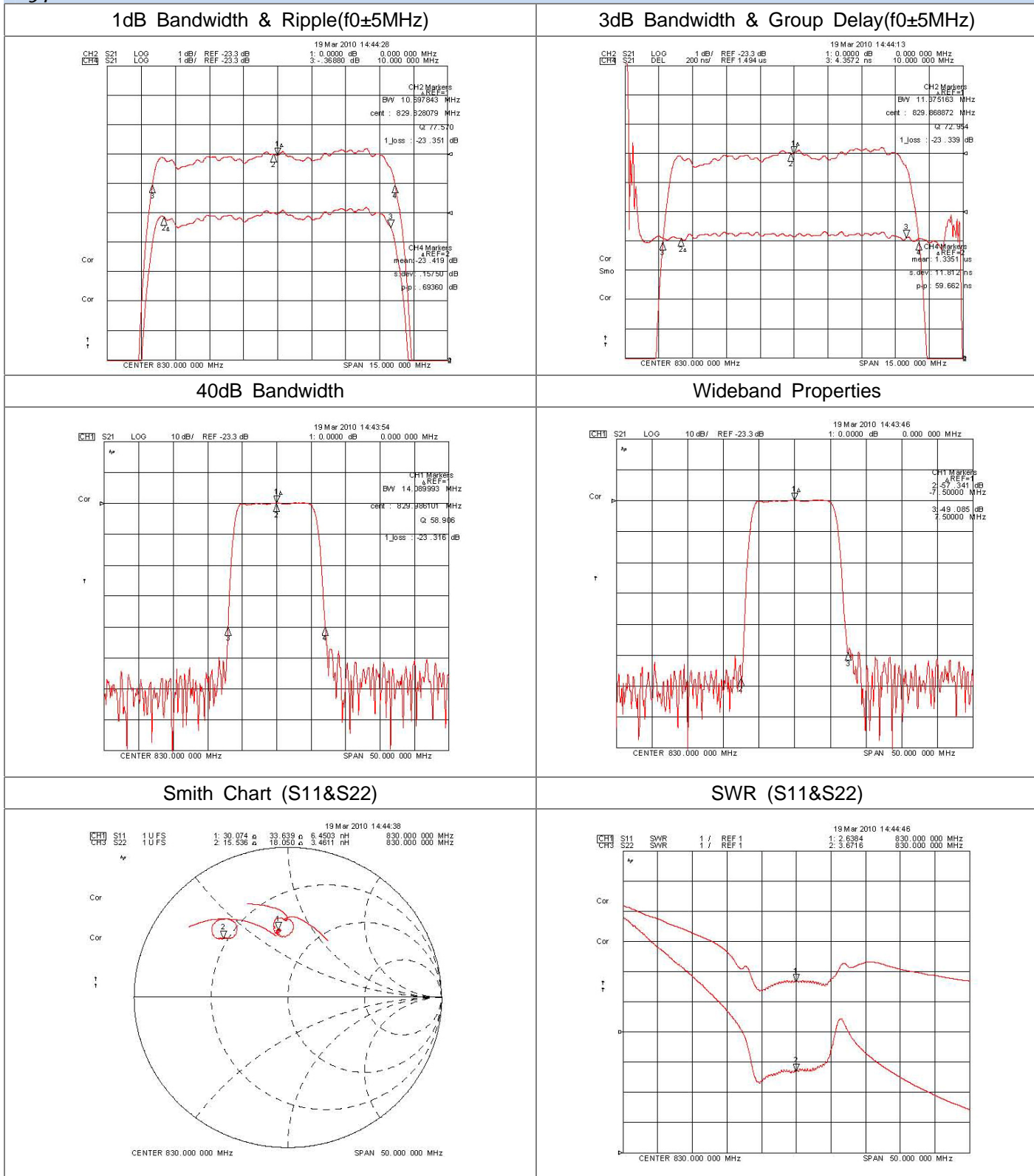


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Typical Performance



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