



### Features


- ◇ For RF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ No matching required for operation at 50Ω
- ◇ RoHS compliant (2002/95/EC), Pb-free

### Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	532.4	532.5	532.6
Insertion Loss(530~535MHz)	dB	-	3.9	4.5
VSWR(530~535MHz)	dB	-	1.8	2
1dB bandwidth	MHz	4.9	5.62	-
Attenuation	100 ~ 520MHz	dB	30	-
	520~527.5MHz	dB	15	-
	537.5~545MHz	dB	15	-
	545~1000MHz	dB	30	-
Material Temperature coefficient	kHz/°C	-19.17		
Substrate Material	-	42LT		
Ambient Temperature	°C	25		
Operating Temperature Range	°C	25		
Storage Temperature Range	°C	-55	-	+100
ESD Class	-	1A		
Package Size	SMD3.8*3.8			

#### 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	LBT53301	
		Rev. Date	2013-04-08	
		Ver.	1.0	Page

*Matching Configuration*

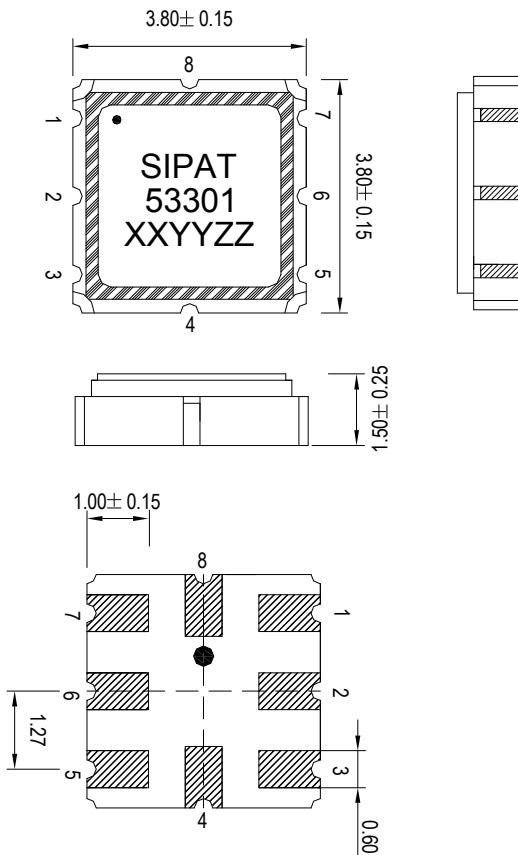
手动测试座



**Source/Load Impedance=50 ohm**

Notes - Component values may change depending on board layout.

*Package Dimension*



**Pad Configuration:**

Input: 2  
Output: 6  
Ground: All Others

**Marking Configuration:**

- 1) •: Pad Number 1 Index
- 2) 53301: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

**Package: SMD3.8\*3.8**

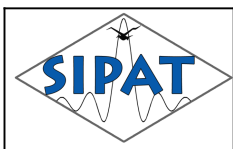
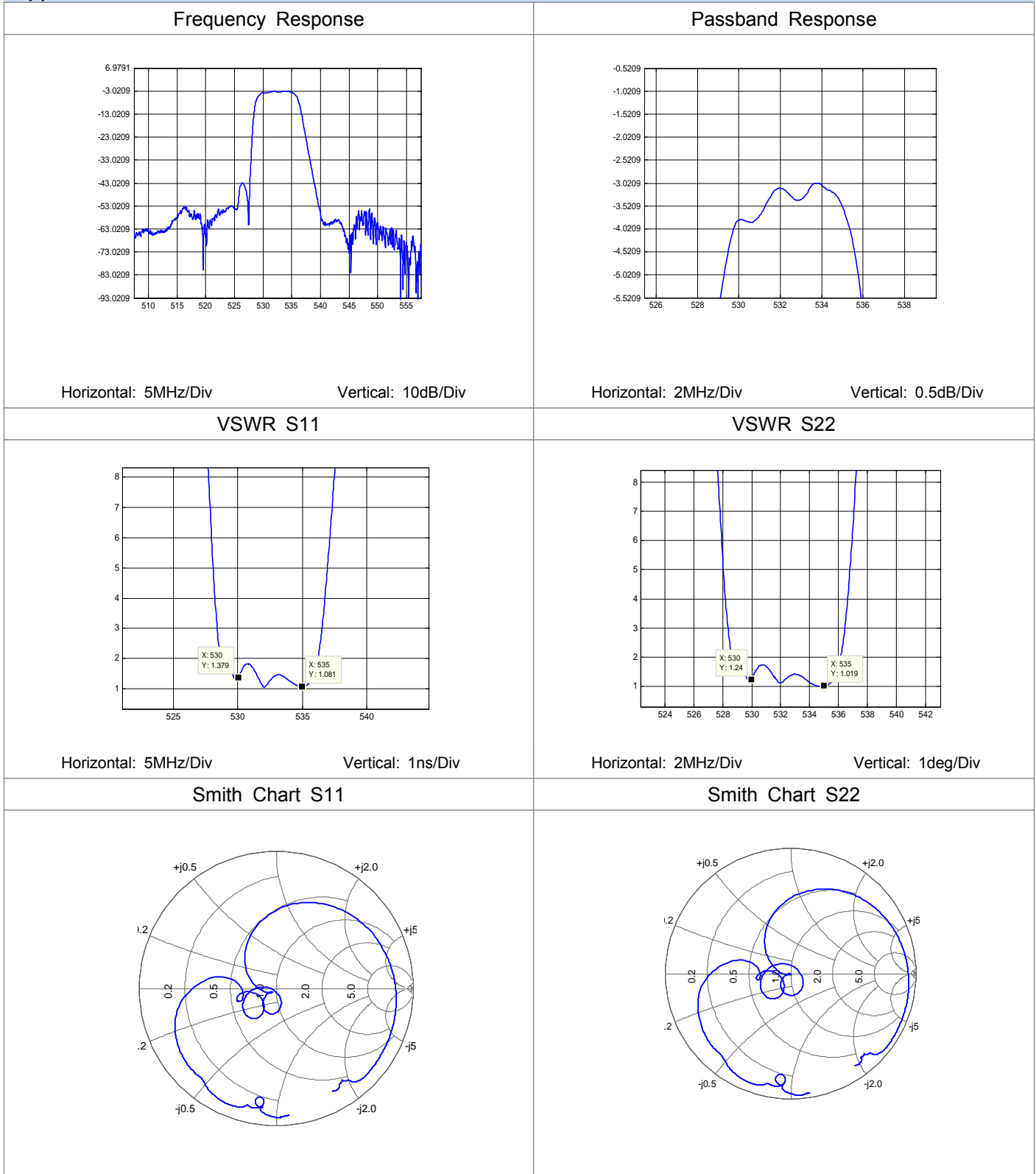
**Unit: mm**



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

Part Number	LBT53301	
Rev. Date	2013-04-08	
Ver.	1.0	Page 2/3

*Typical Performance*



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

Part Number	LBT53301	
Rev. Date	2013-04-08	
Ver.	1.0	Page 3/3