



*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
<i>Center Frequency</i>		MHz	-	806	-
<i>Insertion Loss (791~821MHz)</i>		dB	-	2.5	3.0
<i>Input/Output VSWR (791~821MHz)</i>			-	1.6/1.6	2
<i>Passband Variation (791~821MHz)</i>		dB	-	0.9	1.5
<i>Attenuation</i>	<i>DC~736MHz</i>	dB	17	20	-
	<i>736~771MHz</i>	dB	17	20	-
	<i>771~781 MHz</i>	dB	5	10	-
	<i>841~2000MHz</i>	dB	20	24	-
<i>Material Temperature coefficient</i>		kHz/°C	-29.02		
<i>Substrate Material</i>		-	42LT		
<i>Ambient Temperature</i>		°C	25		
<i>Operating Temperature Range</i>		°C	-40	-	+85
<i>Storage Temperature Range</i>		°C	-45		+105
<i>ESD Class</i>		-	1A		
<i>Package Size</i>			SMD3.0*3.0		

**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	LBT80602	
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### Matching Configuration

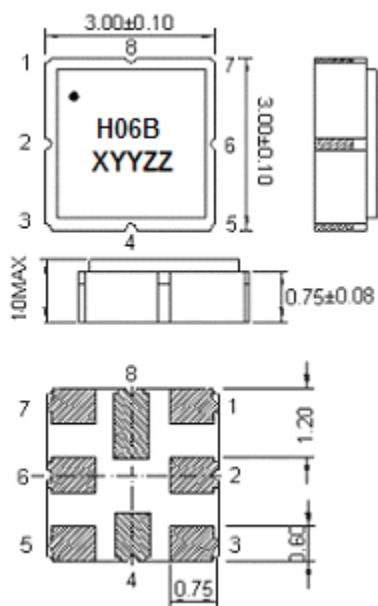
手动测试座



**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) H06B: Part Number
- 3) XYYZZ: Date Code

**Package: SMD3.0\*3.0**

**Unit: mm**

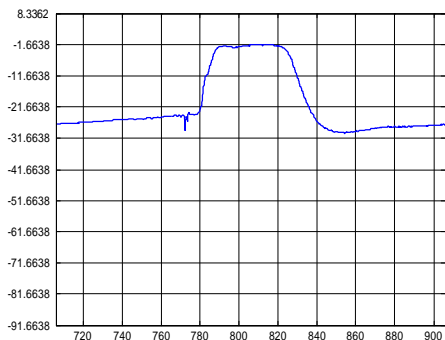


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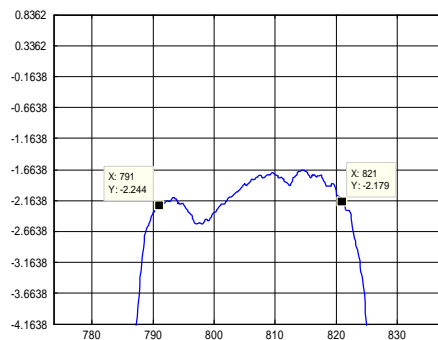
*Typical Performance*

Frequency Response



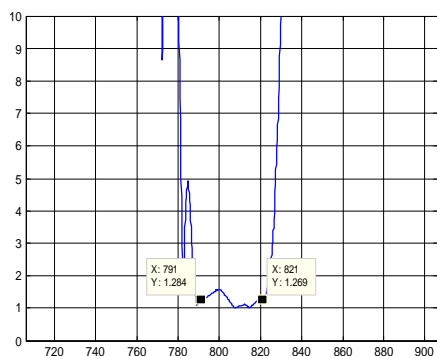
Horizontal: 20MHz/Div Vertical: 10dB/Div

Passband Response



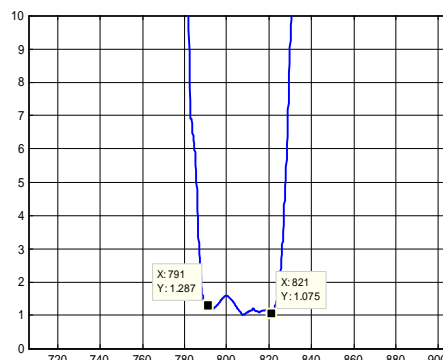
Horizontal: 10MHz/Div Vertical: 0.5dB/Div

VSWR S11



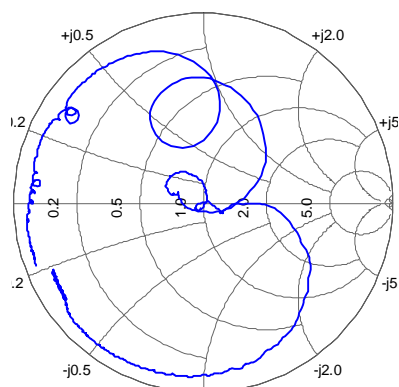
Horizontal: 20MHz/Div Vertical: 1ns/Div

VSWR S22

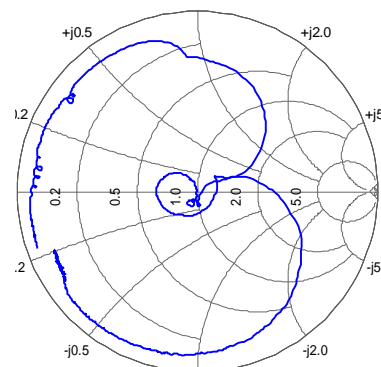


Horizontal: 20MHz/Div Vertical: 1deg/Div

Smith Chart S11



Smith Chart S22



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