



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
<i>Center Frequency</i>	MHz	-	232.25	-
<i>Insertion Loss</i>	dB	-	16.3	18
<i>Passband Variation(230.5~234Hz)</i>	dB	-	0.9	1.5
<i>Absolute Delay</i>	us	-	0.81	2.2
<i>Group Delay</i>	nsec	-	370	500
<i>Rejection (200-229.5MHz) (235-250MHz)</i>	dB	30	35	
<i>Material Temperature coefficient</i>	KHz/°C	0.23		
<i>Substrate Material</i>	-	AT-QZ		
<i>Ambient Temperature</i>	°C	25		
<i>Operating Temperature Range</i>	°C		25	
<i>Storage Temperature Range</i>	°C	-45	-	+105
<i>Input Power</i>	dBm	-	-	10
<i>ESD Class</i>	-	1C		
<i>Package Size</i>	SMD7.0*5.0			

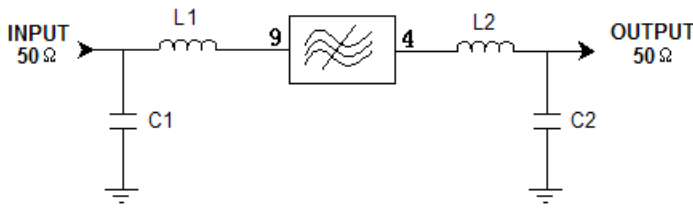
Notes:

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.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBS23201	
		Rev. Date	2012-07-30	
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Matching Configuration

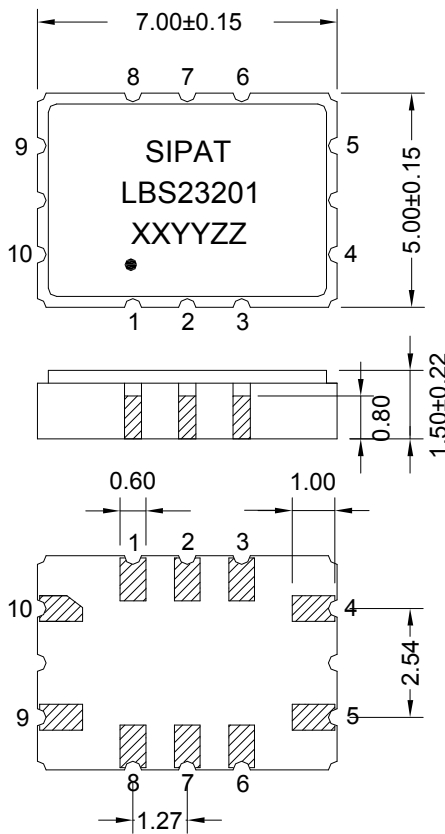
手动测试座



L1=L2=68nH
C1=C2=39pF
Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

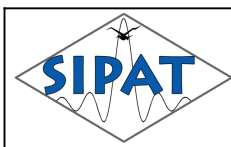
Input: 9
Output: 4
Ground: All others

Marking Configuration:

- 1) ∙: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) LBS23201: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

Package: SMD7.0*5.0

Unit: mm

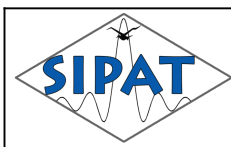
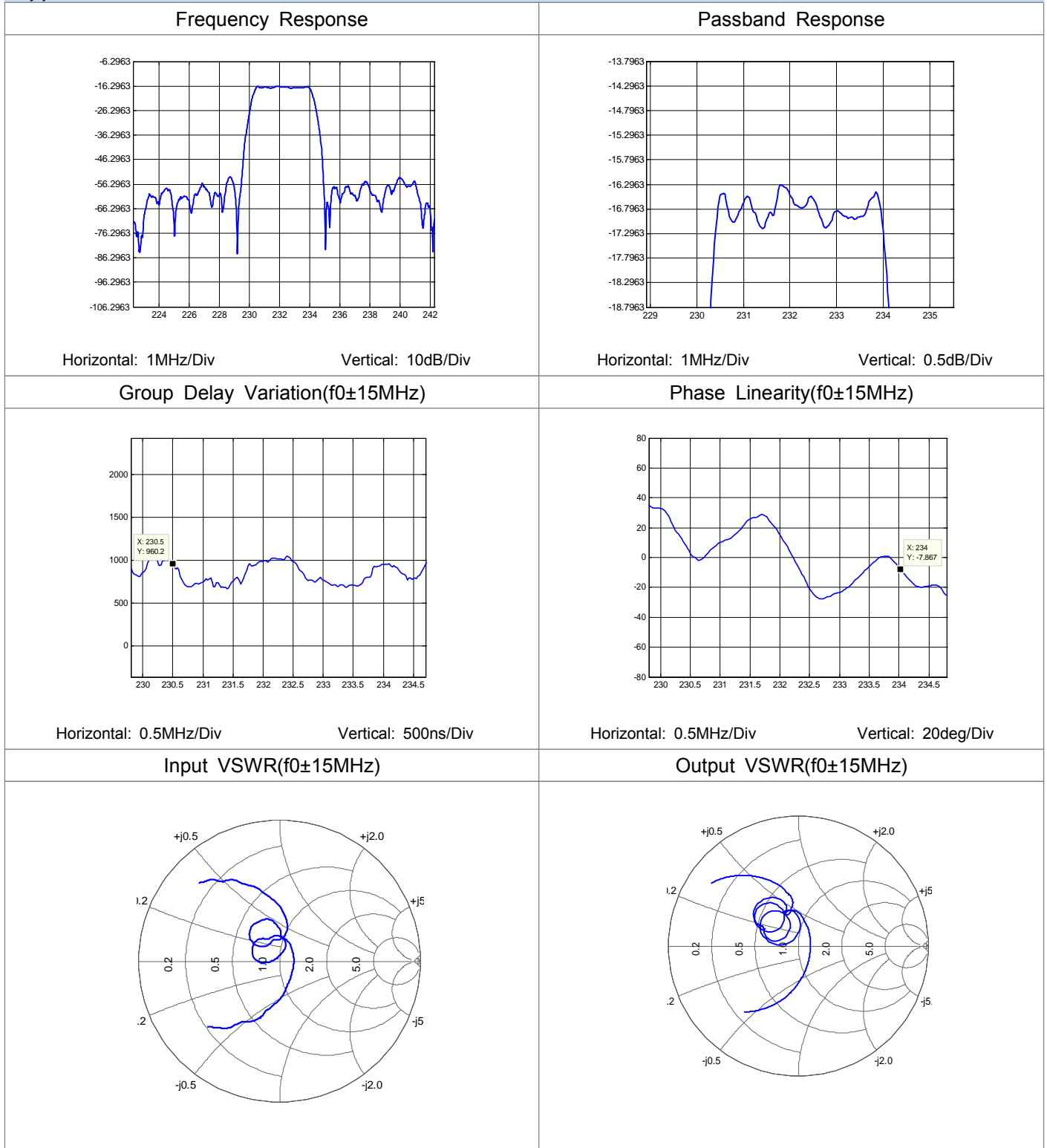


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Typical Performance



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