



Features

- ◇ For RF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size ²
- ◇ 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	-	153.6	-
<i>Insertion Loss</i>		dB	-	2.3	3.5
<i>1dB Bandwidth</i>		MHz	0.05	1.61	-
<i>Passband Variation</i>		dB	-	0.7	1.0
<i>Attenuation</i>	<i>DC~113.6MHz</i>	dB	40	60	-
	<i>@118.6 MHz</i>	dB	55	60	-
	<i>@133.6 MHz</i>	dB	55	60	-
	<i>@143.6 MHz</i>	dB	40	55	-
	<i>@163.6 MHz</i>	dB	40	50	-
	<i>@173.6 MHz</i>	dB	55	60	-
	<i>@188.6 MHz</i>	dB	55	60	-
	<i>193.6MHz~300MHz</i>	dB	30	40	-
	<i>300MHz~600MHz</i>	dB	20	30	-
	<i>600MHz~1000MHz</i>	dB	20	30	-
<i>Material Temperature coefficient</i>		KHz/°C	-4.92		
<i>Substrate Material</i>		-	42LT		
<i>Ambient Temperature</i>		°C	25		
<i>Operating Temperature Range</i>		°C	-40	25	+85
<i>Storage Temperature Range</i>		°C	-45	-	+105
<i>Input Power</i>		dBm	-	-	10
<i>ESD Class</i>		-	1A		
<i>Package Size</i>		SMD7*5			

Notes:

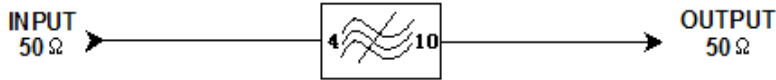
1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing 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	LBT15406	
		Rev. Date	2012-10-31	
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Matching Configuration

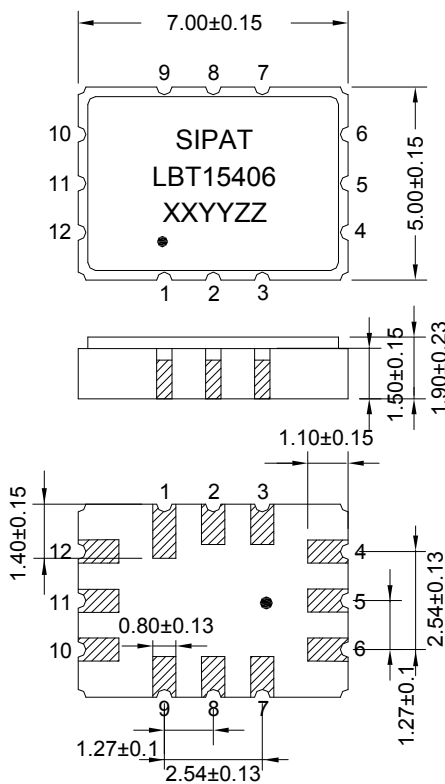
手动测试座

Source/Load Impedance=50 ohm



Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 4
Output: 10
Ground: All others

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) LBT15406: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

Package: SMD7*5

Unit: mm



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Typical Performance

