



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	-	2332.5	-	
<i>Insertion Loss(2320~2345MHz)</i>	dB	-	1.7	2.3	
<i>Passband Variation (2320~2345MHz)</i>	-	-	0.5	1.0	
<i>Return loss(2320~2345MHz)</i>	dB	10	18	-	
<i>Attenuation</i>	<i>DC~2085MHz</i>	dB	25	35	-
	<i>2097~2230</i>	dB	25	30	-
	<i>@2100MHz</i>	dB	35	45	-
	<i>2235~2256MHz</i>	dB	15	30	-
	<i>@2400MHz</i>	dB	35	45	-
<i>Material Temperature coefficient</i>	kHz/°C	-83.97			
<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.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBT233301	
		Rev. Date	2013-12-05	
		Ver.	1.0	Page 1/3

Matching Configuration

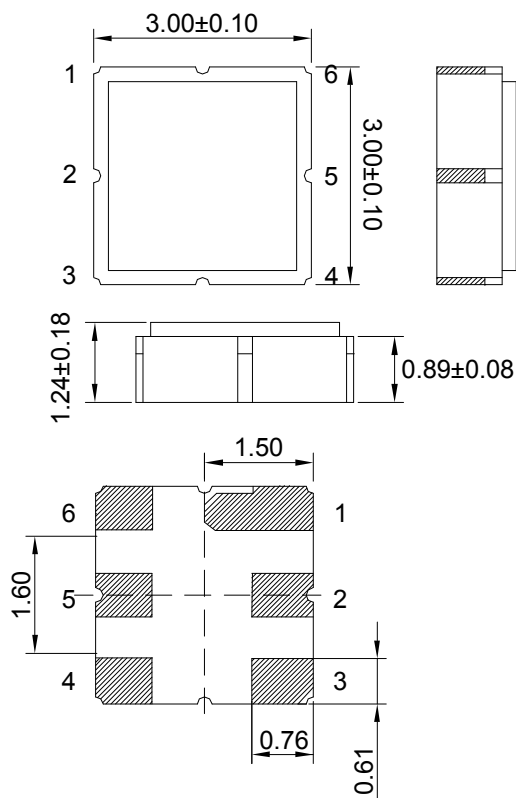
手动测试座



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 2
Output: 5
Ground: All Others

Package: SMD3.0*3.0

Unit: mm



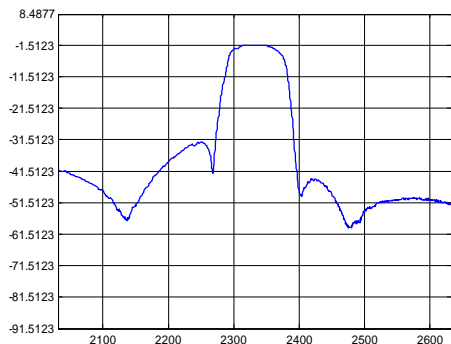
SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

Part Number	LBT233301	
Rev. Date	2013-12-05	
Ver.	1.0	Page 2/3



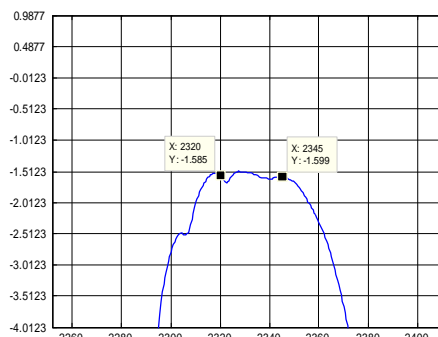
Typical Performance

Frequency Response



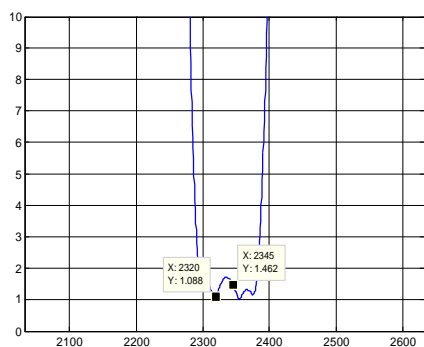
Horizontal: 100MHz/Div Vertical: 10dB/Div

Passband Response



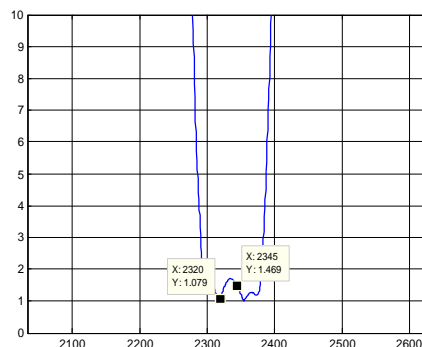
Horizontal: 20MHz/Div Vertical: 0.5dB/Div

VSWR S11



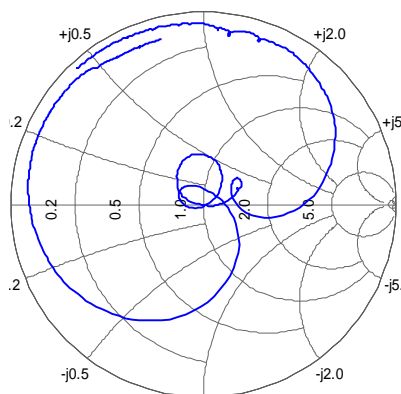
Horizontal: 100MHz/Div Vertical: 1ns/Div

VSWR S22

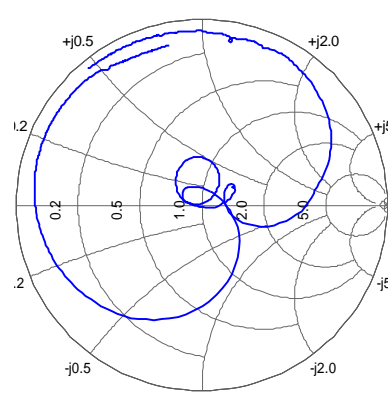


Horizontal: 100MHz/Div Vertical: 1deg/Div

Smith Chart S11



Smith Chart S22



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

Part Number	LBT233301	
Rev. Date	2013-12-05	
Ver.	1.0	Page 3/3