



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	-	2332.5	-
Insertion Loss(2320~2345MHz)		dB	-	1.7	2.3
Passband Variation (2320~2345MHz)		-	-	0.5	1.0
Return loss(2320~2345MHz)		dB	10	18	-
Attenuation	DC~2085MHz	dB	25	35	-
	2097~2230	dB	25	30	-
	@2100MHz	dB	35	45	-
	2235~2256MHz	dB	15	30	-
	@2400MHz	dB	35	45	-
Material Temperature coefficient		kHz/°C	-83.97		
Substrate Material		-	42LT		
Ambient Temperature		°C	25		
Operating Temperature Range		°C	-40	-	+85
Storage Temperature Range		°C	-45	-	+105
ESD Class		-	1A		
Package Size			SMD3.0*3.0		

Notes:

- All specifications are based on the test circuit shown;
- In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
- Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
- This is the optimum impedance in order to achieve the performance show.



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Part Number

LBT233301

Rev. Date

2013-12-05

Ver.

1.0

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Matching Configuration

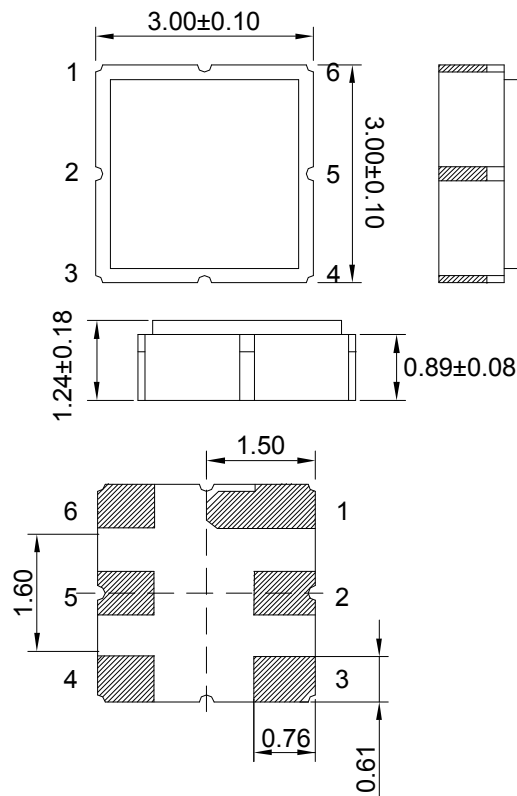
手动测试座



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 2
Output: 5
Ground: All Others

Package: SMD3.0*3.0

Unit: mm



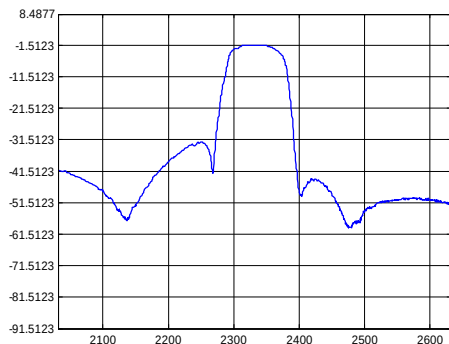
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Typical Performance

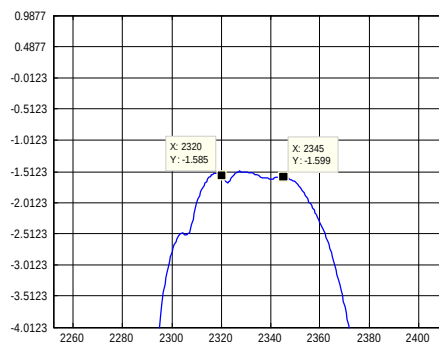
Frequency Response



Horizontal: 100MHz/Div

Vertical: 10dB/Div

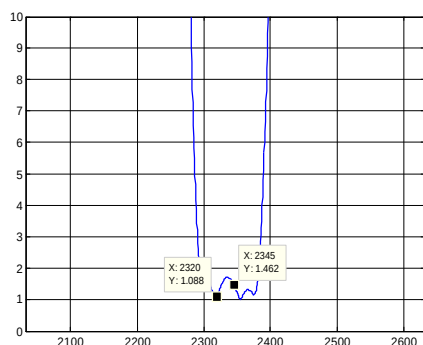
Passband Response



Horizontal: 20MHz/Div

Vertical: 0.5dB/Div

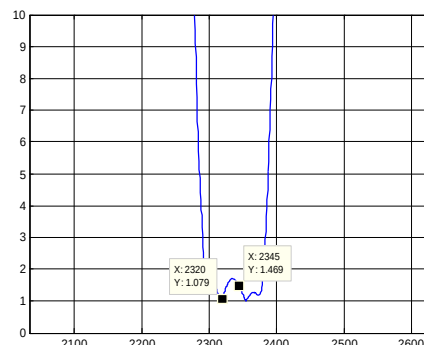
VSWR S11



Horizontal: 100MHz/Div

Vertical: 1ns/Div

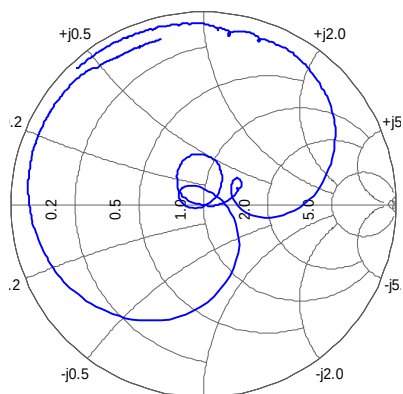
VSWR S22



Horizontal: 100MHz/Div

Vertical: 1deg/Div

Smith Chart S11



Smith Chart S22

