



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	-	1561	-
Insertion Loss (1550.5~1571.5MHz)		dB	-	3.7	4
Passband Variation(1550.5~1571.5MHz)		dB	-	0.8	2
VSWR(1550.5~1571.5MHz)		-	-	1.4	2
Attenuation	1061~1461MHz	dB	40	41	-
	1461~1501MHz	dB	38	40	-
	1501~1521MHz	dB	20	28	-
	1601~1621MHz	dB	20	30	-
	1621~1641MHz	dB	35	40	-
	1641~2061MHz	dB	40	42	-
Material Temperature coefficient		kHz/°C	-56.19		
Substrate Material		-	42LT		
Ambient Temperature		°C	25		
Operating Temperature Range		°C	-40	-	+70
Storage Temperature Range		°C	-45	-	+85
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	LBT156102		
Rev. Date	2013-05-04		
Ver.	1.0	Page	1/3

Matching Configuration

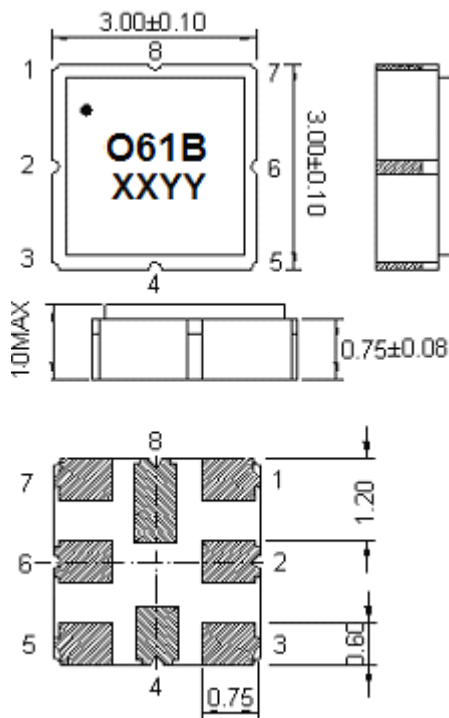
手动测试座

Source/Load Impedance=50 ohm



Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 2
Output: 6
Ground: All Others

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) O61B: Part Number
- 3) XXYY: Date(Year/month)

Package: SMD3.0*3.0

Unit: mm



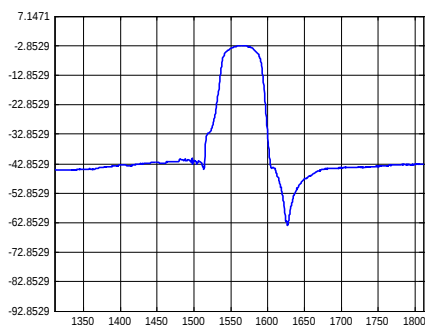
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Typical Performance

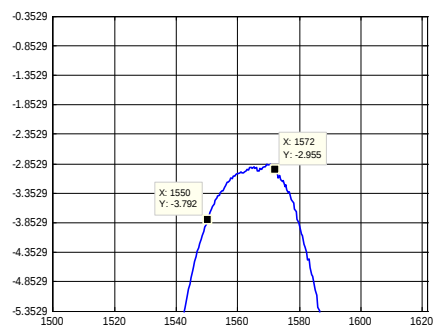
Frequency Response



Horizontal: 50MHz/Div

Vertical: 10dB/Div

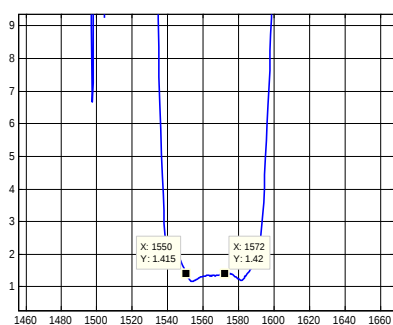
Passband Response



Horizontal: 20MHz/Div

Vertical: 0.5dB/Div

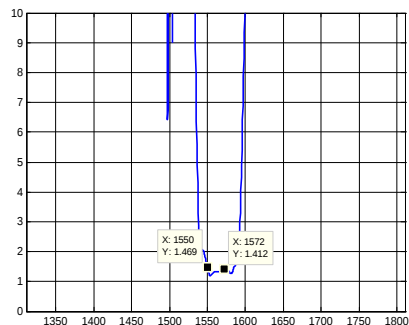
VSWR S11



Horizontal: 20MHz/Div

Vertical: 1ns/Div

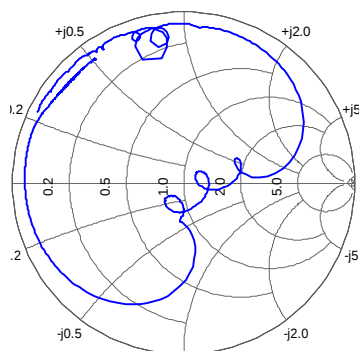
VSWR S22



Horizontal: 50MHz/Div

Vertical: 1deg/Div

Smith Chart S11



Smith Chart S22

