



### 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	-	1575.42	-	
Insertion Loss(1574.22~1576.62 MHz)	dB	-	1.5	2.2	
Passband Variation(1574.22~1576.62 MHz)	dB	-	0.1	1	
VSWR(1574.22~1576.62MHz)	ns	-	1.2	2	
Ultimate Rejection	D.C~1400MHz	dB	35	37	-
	1400~1475MHz	dB	30	34	-
	1475~1525MHz	dB	25	37	-
	1625~1640MHz	dB	30	45	-
	1640~2000MHz	dB	32	34	-
	2000~3000MHz	dB	20	28	-
Ambient Temperature	°C	25			
Operating Temperature Range	°C	-40	-	+85	
Storage Temperature Range	°C	-40	-	+85	
DC Voltage	V	3			
Input Power	dBm	-	-	15	
ESD Class	-	1A			
Package Size	SMD2.5*2.0				

#### 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.

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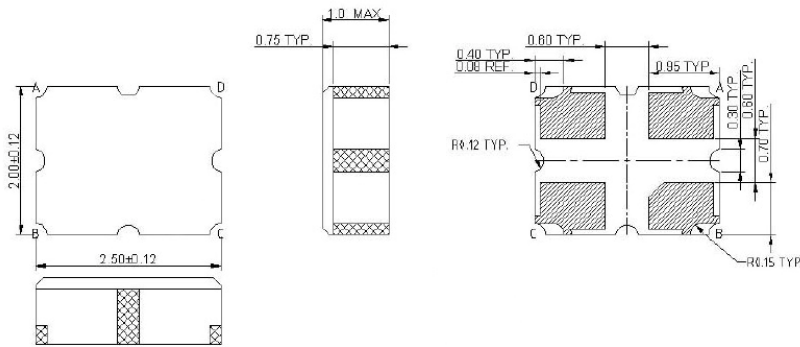
### Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

### Package Dimension



#### Pad Configuration:

Input: B  
 Output: D  
 Ground: A,C

Package: SMD2.5\*2.0

Unit: mm

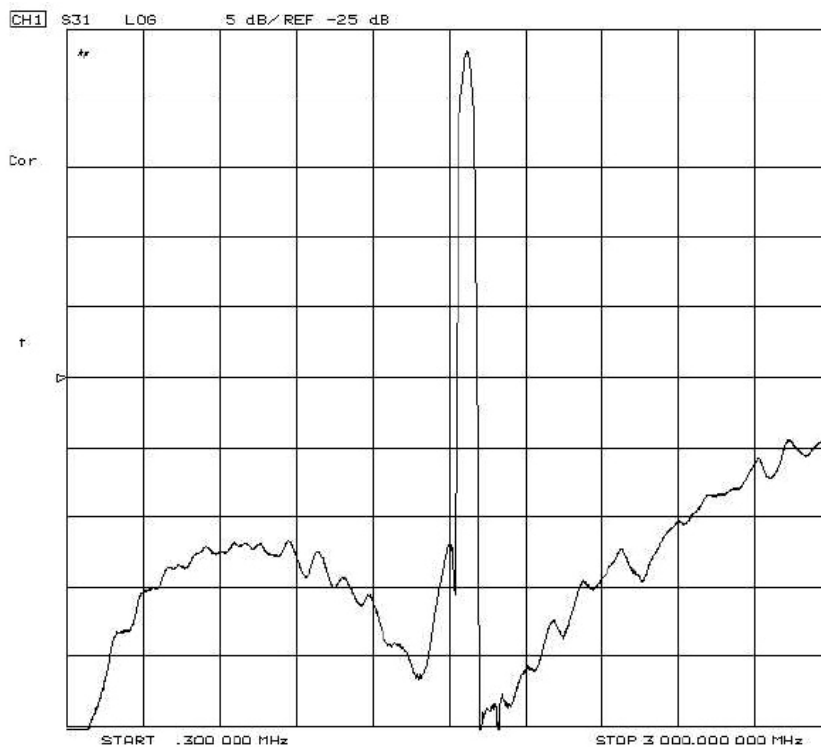
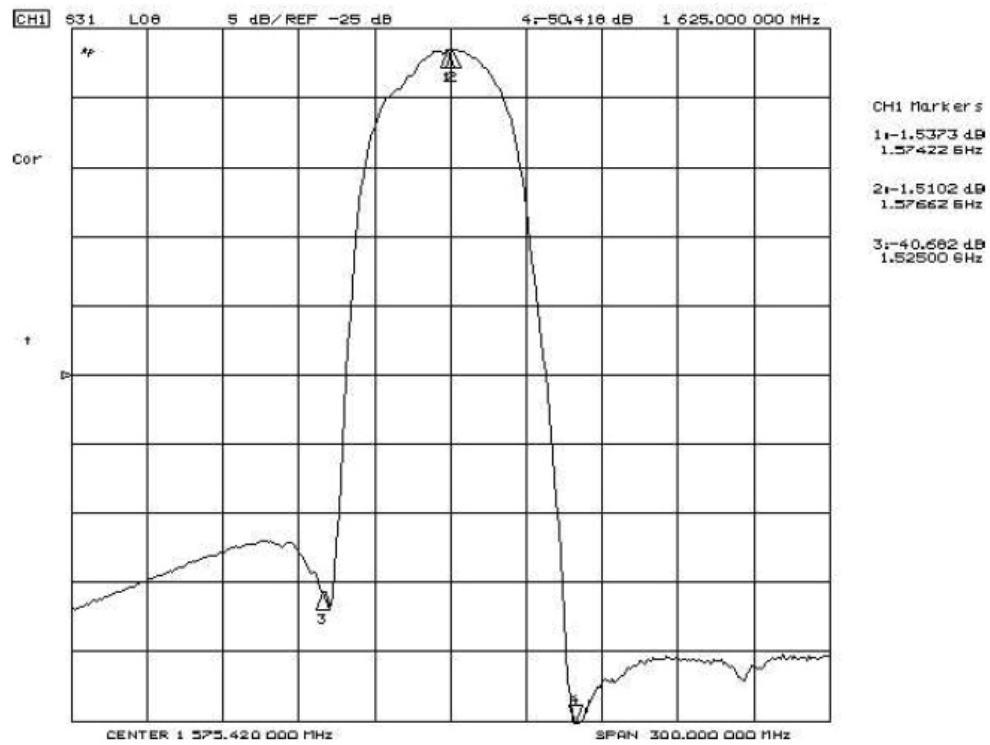


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Typical Performance

Frequency Characteristics

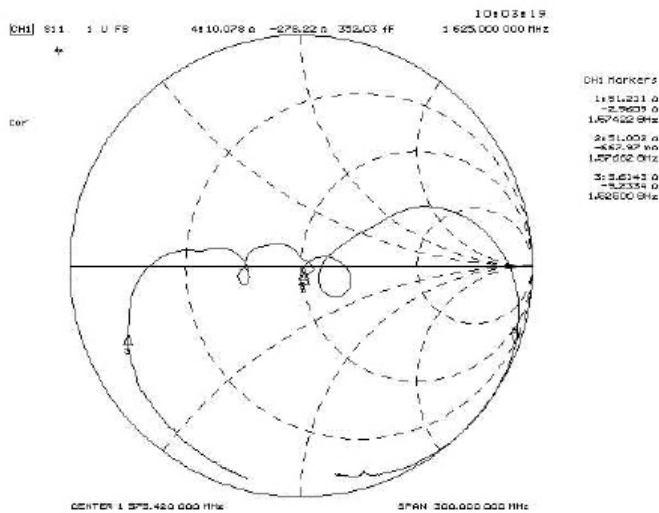
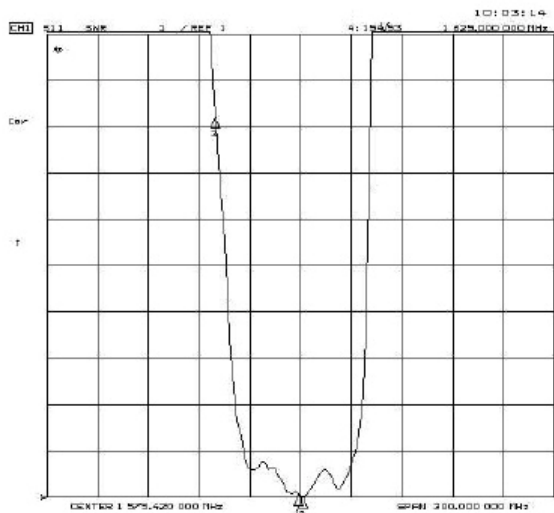


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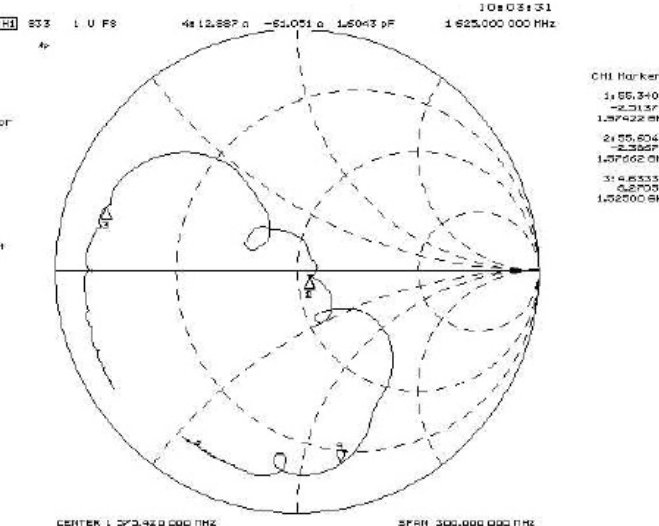
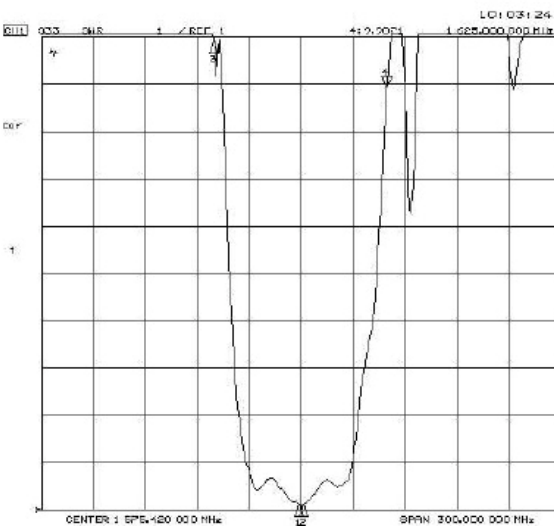
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S11 VSWR



S22 VSWR



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