



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	-	2650	-	
Insertion Loss(2615~2685MHz)	dB	-	2	3.5	
Passband Variation(2615~2685MHz)	dB	-	0.9	2.5	
VSWR(2615~2685MHz)	ns	-	1.6	2.3	
Ultimate Rejection	DC~2300MHz	dB	23	27.5	-
	2300~2500MHz	dB	25	32	-
	2800~4000MHz	dB	30	34	-
	4000~5000MHz	dB	20	32	-
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	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.

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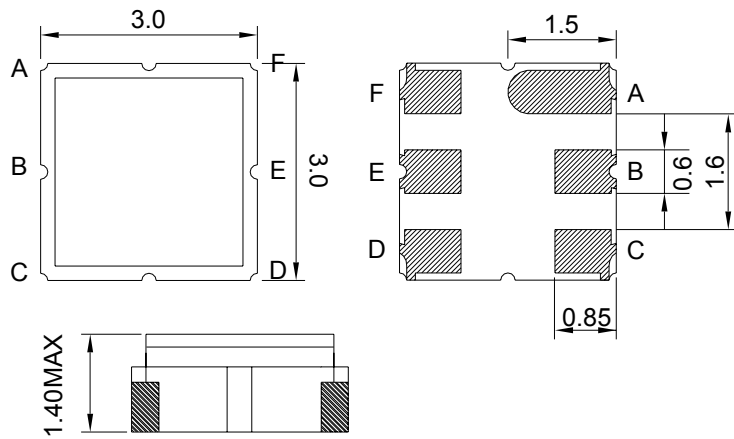
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: B

Output: E

Ground: All Others

Package: SMD3.0*3.0

Unit: mm

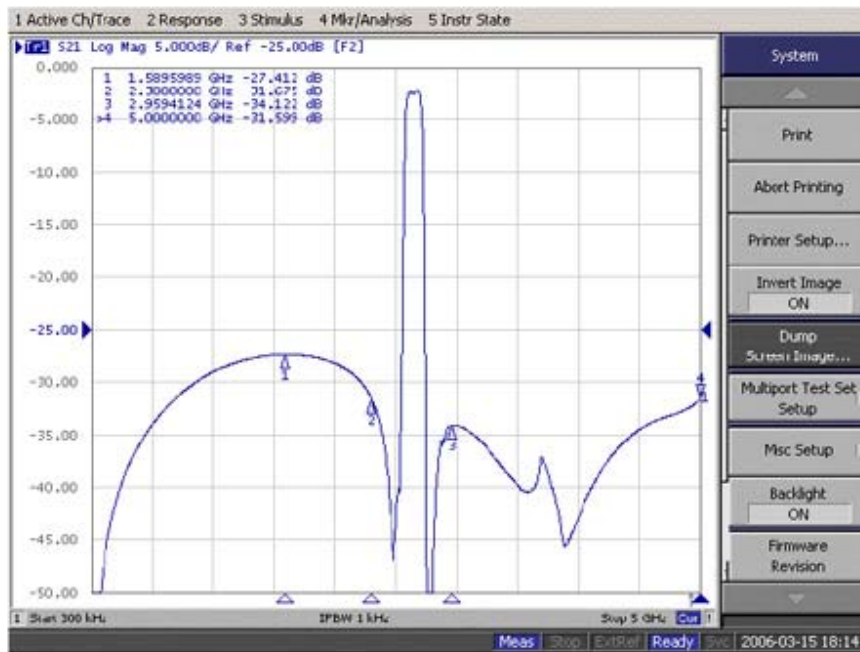
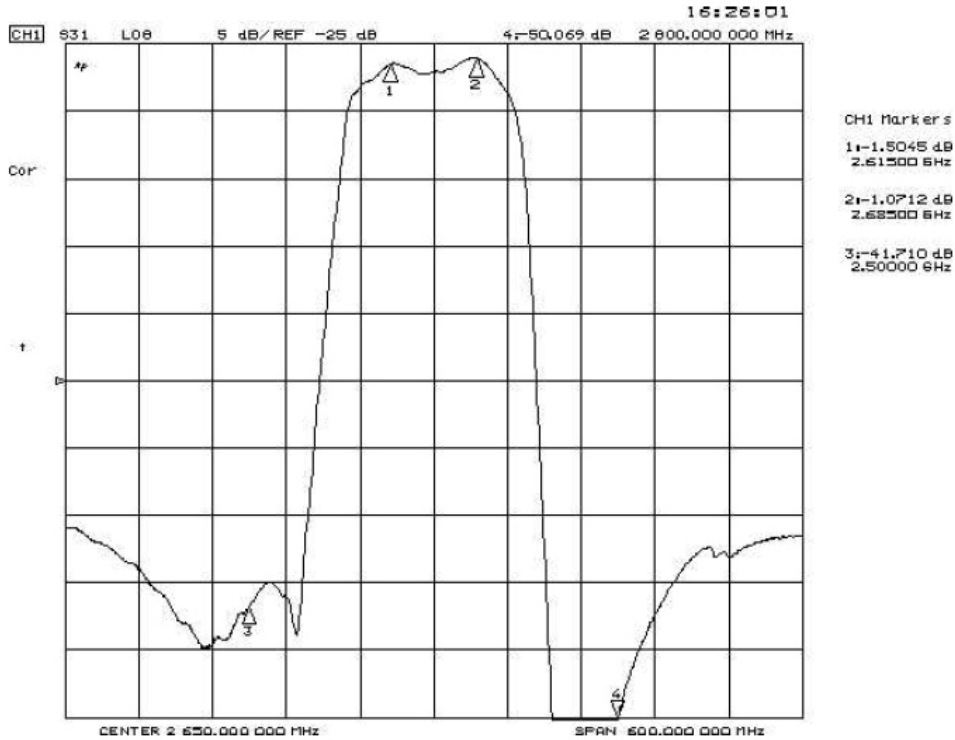


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Typical Performance

Frequency Characteristics



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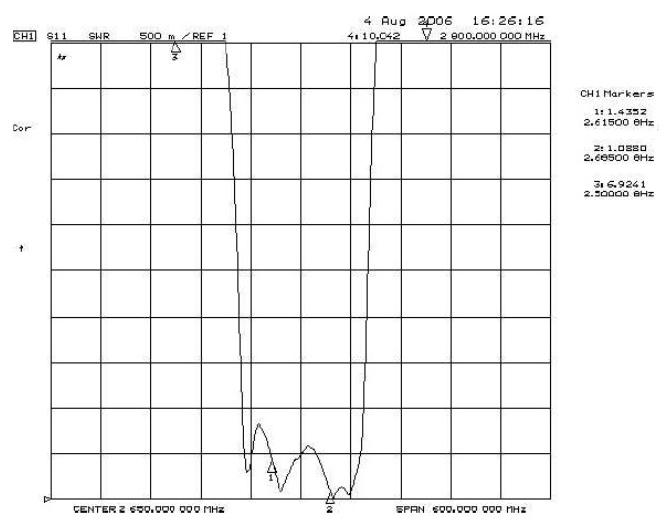
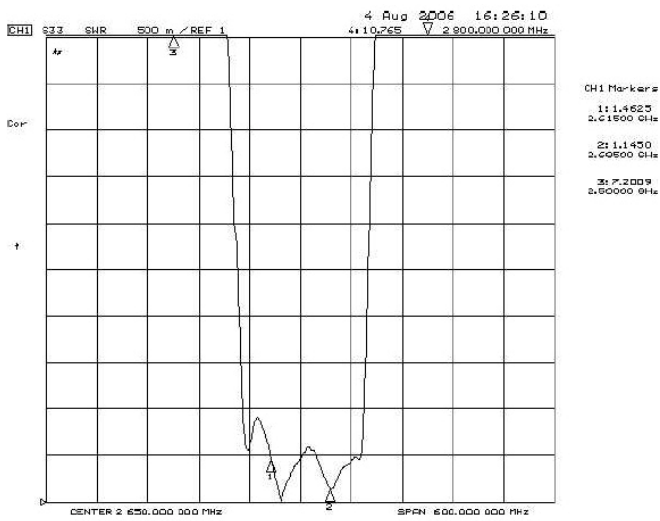
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Reflections Functions

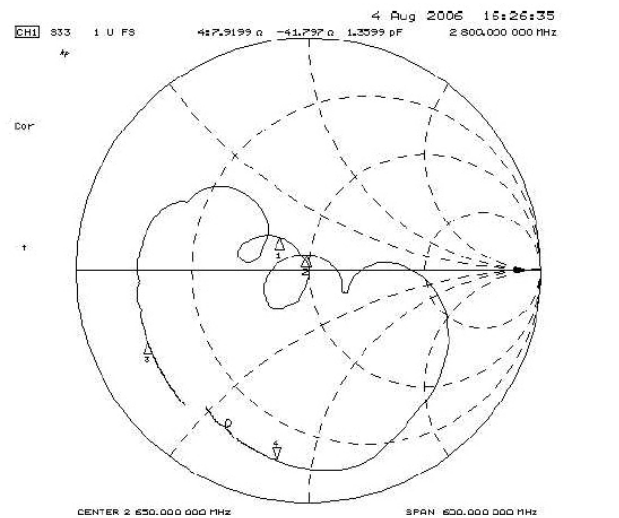
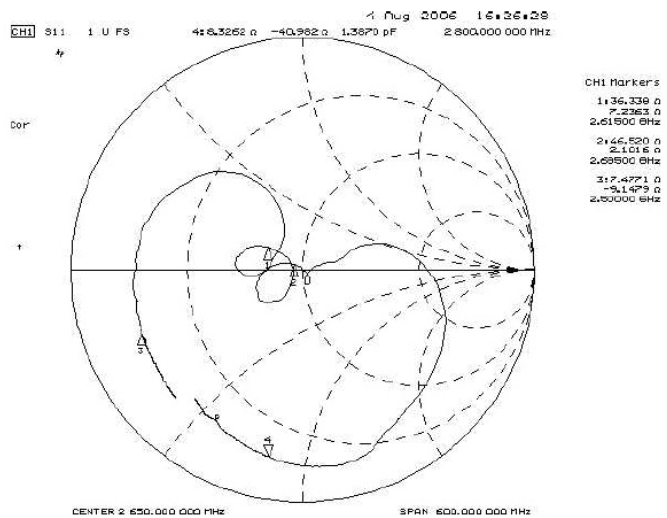
VSWR11

VSWR22



S11

S22



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