



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
862-RF2140.0M-C	WCDMA, RF-Rx SAW Filter

## Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
- o Electrical Specification
- o Frequency Performance
- o VSWR
- o Smith Chart

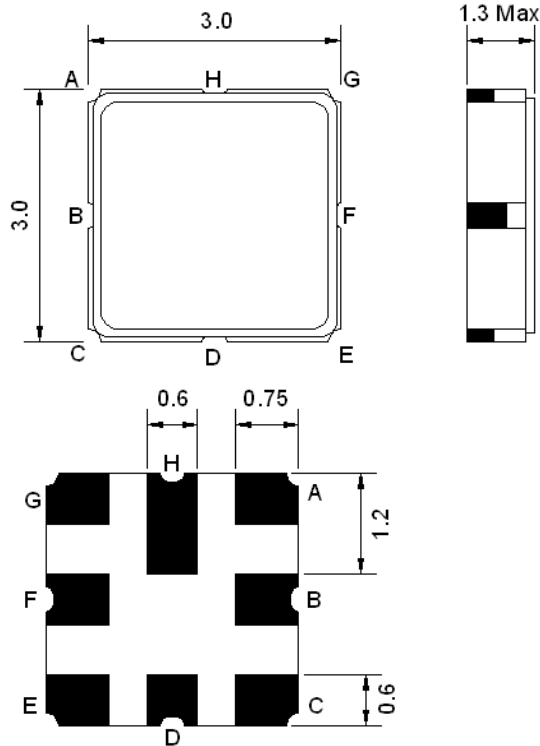
## Notes

- o Electrostatic Sensitive Device (ESD) 
- o Avoid excessive ultrasonic exposure
- o Solderability compatible with JEDEC J-STD-020C Pb-free process, 260°C peak reflow temperature
- o This product complies with EU directive 2002/95/EC (RoHS compliance)



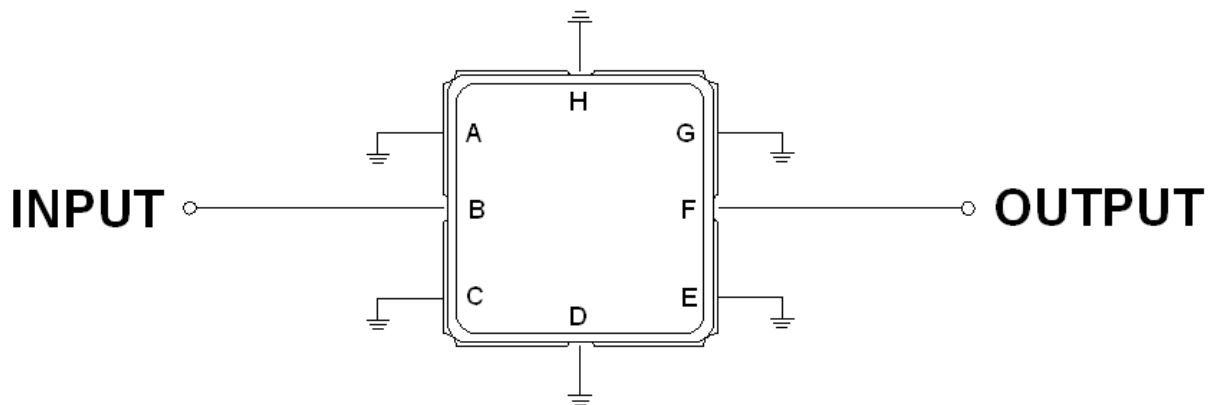


**Mechanical Dimensions (mm)**



Pin Description	
A, C, D, E, G	Ground
B	In
F	Out

**Test Circuit**



Source & Load Impedance: 50  $\Omega$

**Maximum Ratings**

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-20	-	+75
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

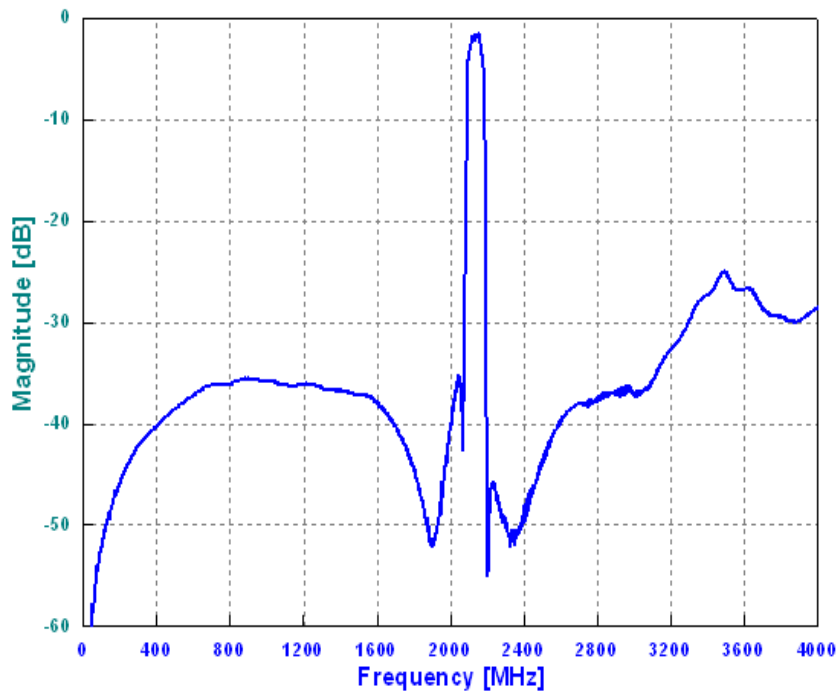
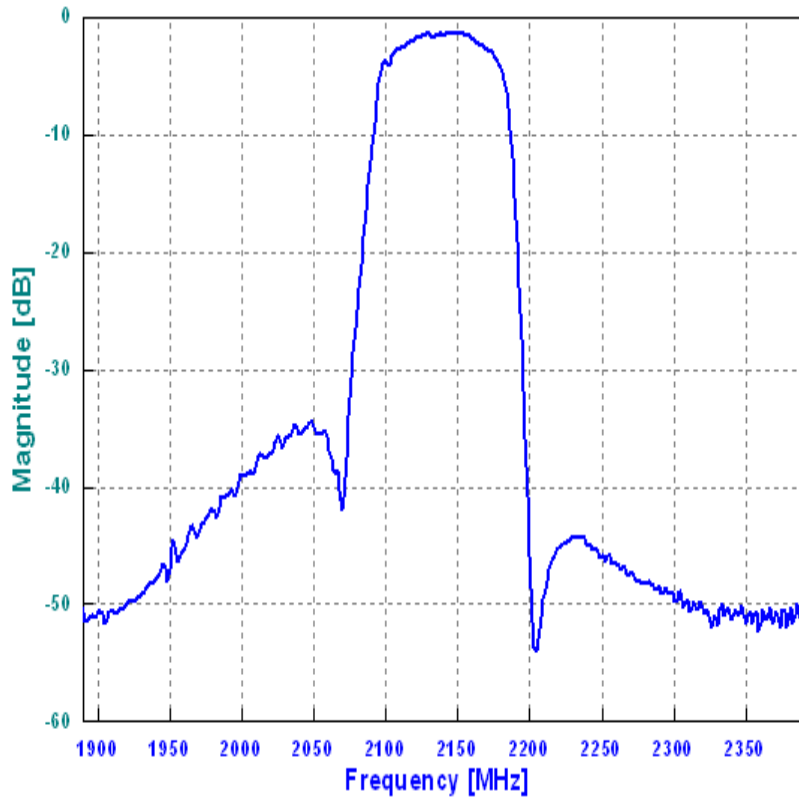
Notes: (1) No Matching Network (Ref. Testing Environment Circuit as shown above).

**Electrical Specification**

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	2140.0	-
Insertion Loss within 2122.5 ~ 2157.5 MHz	dB	-	1.8	3.0
Amplitude Ripple within 2122.5 ~ 2157.5 MHz	dB <sub>p-p</sub>	-	0.5	1.5
Group Delay Ripple within 2122.5 ~ 2157.5 MHz	ns <sub>p-p</sub>	-	7.0	16
Attenuation:				
D.C. ~ 1880.0 MHz	dB	27	35	-
1880.0 ~ 2040.0 MHz	dB	30	35	-
2215.0 ~ 2400.0 MHz	dB	35	45	-
2400.0 ~ 3245.0 MHz	dB	25	30	-
3245.0 ~ 4000.0 MHz	dB	20	25	-
VSWR within 2122.5 ~ 2157.5 MHz	-	-	2.0	2.5

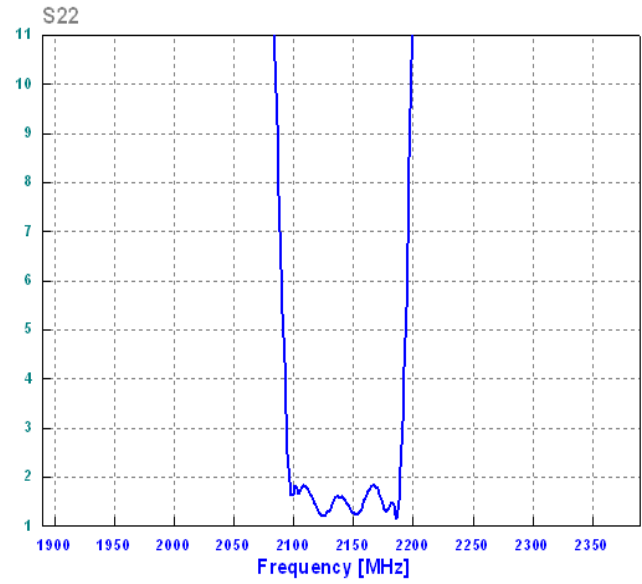
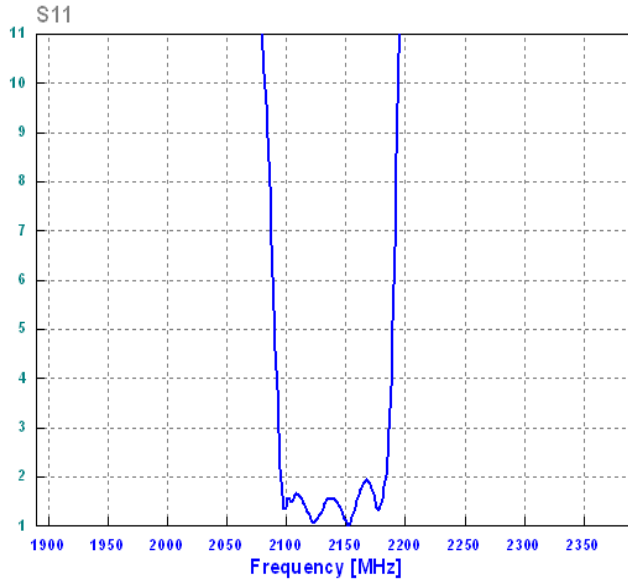


### Frequency Performance

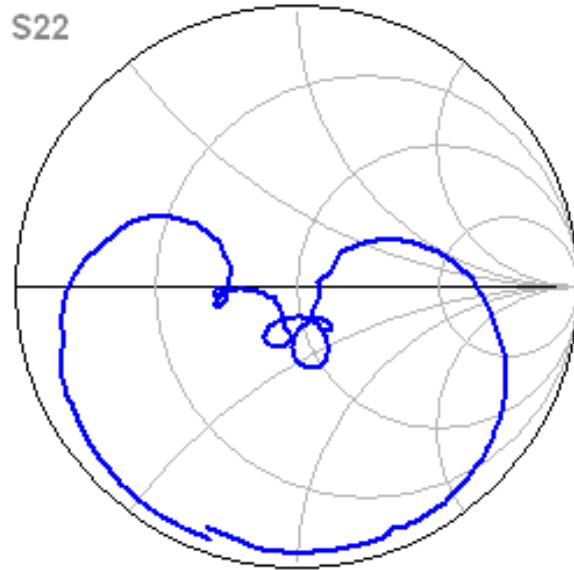
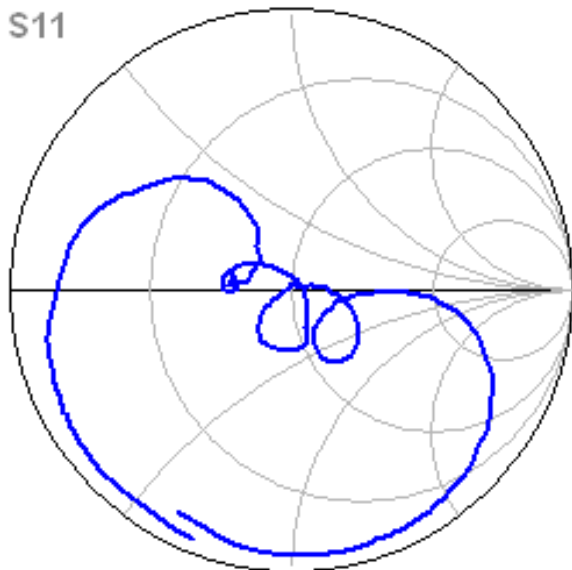




### VSWR



### Smith Chart





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