



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
802-RF915.0M-E	Wireless, RF SAW Filter

## Specification Contents

- o Mechanical Dimensions
- o Test Circuit
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- o Frequency Performance
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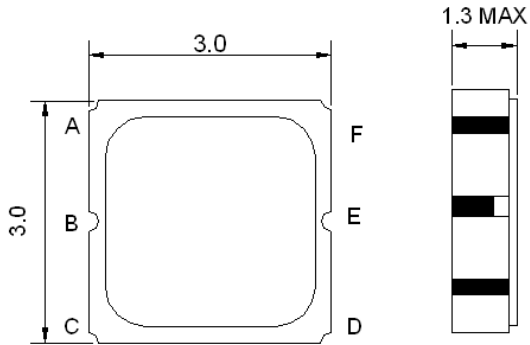
## Notes

- 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)

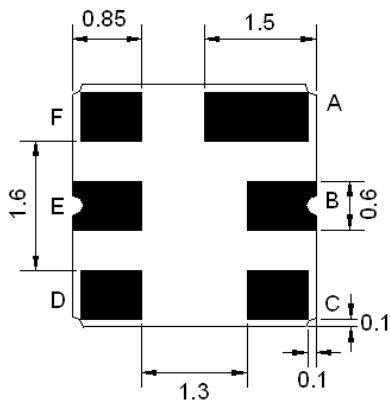




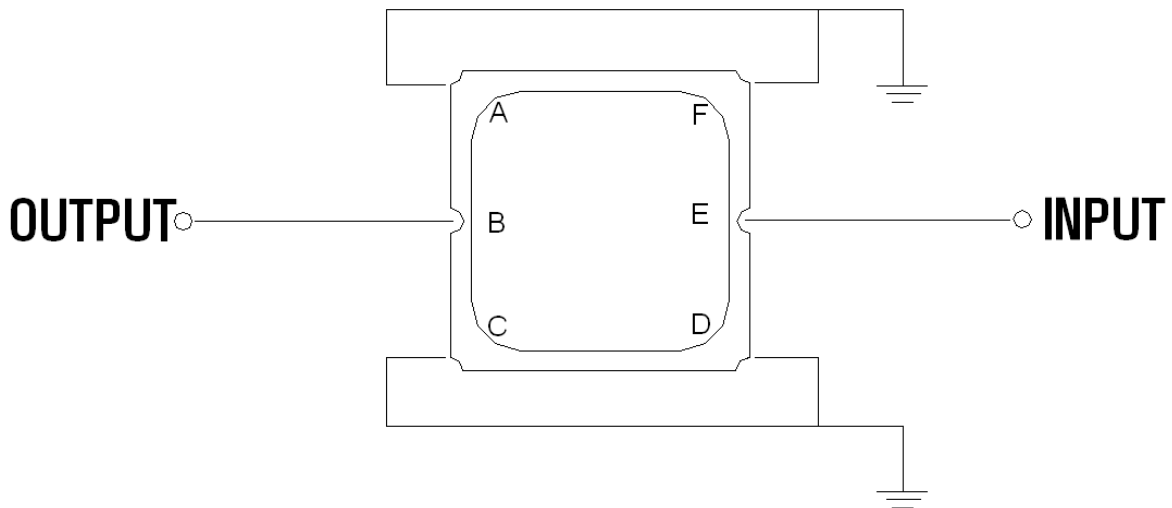
### Mechanical Dimensions (mm)



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



### Test Circuit



Source and Load Impedance: 50  $\Omega$



### Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	20
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

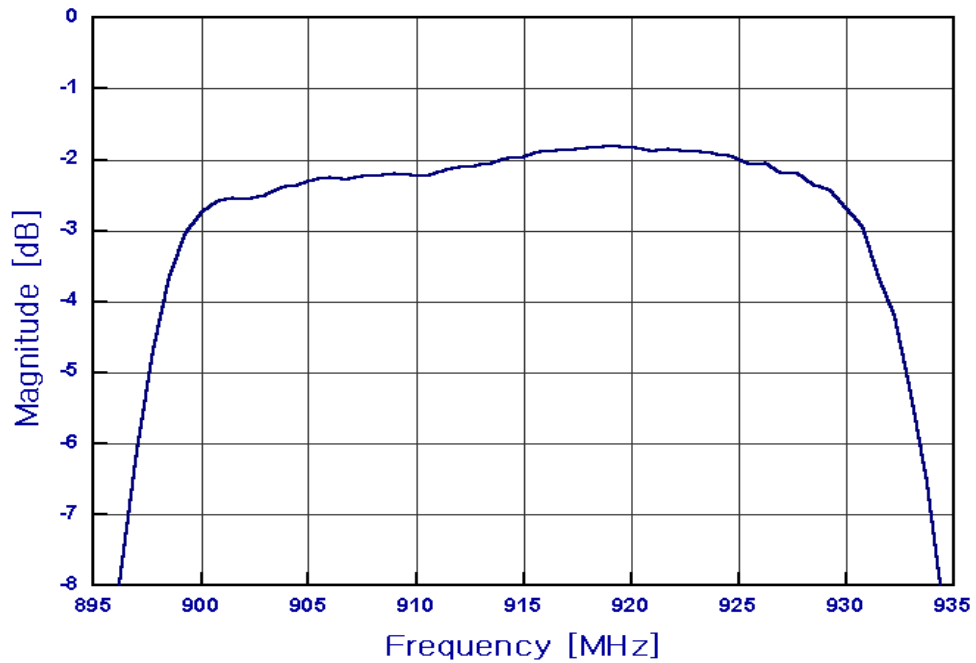
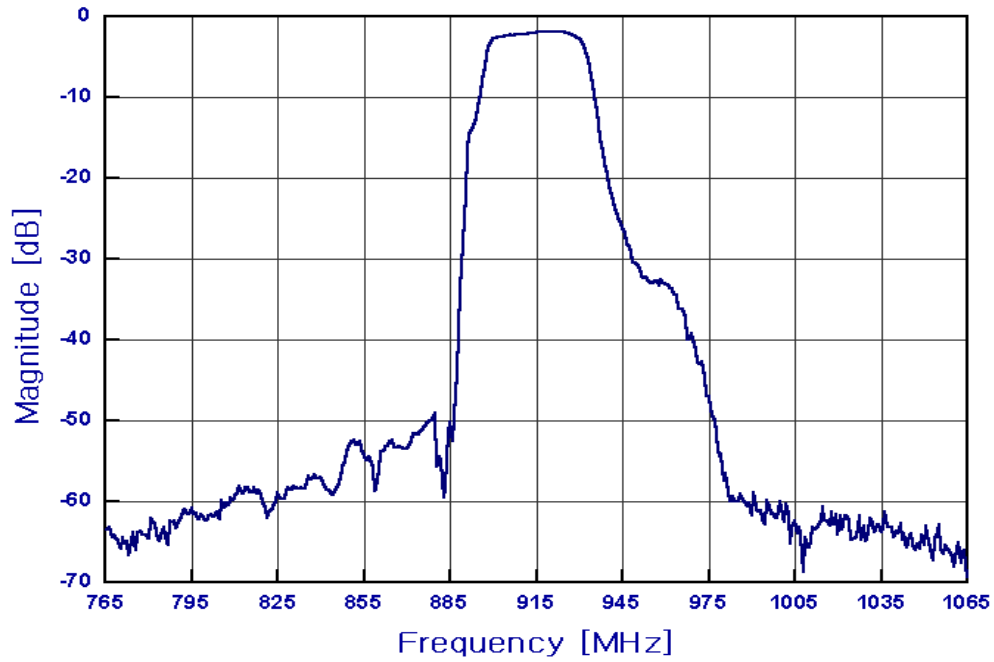
Notes: No Matching Network

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	915.0	-
Insertion Loss within 902 ~ 928 MHz	dB	-	2.5	3.5
Amplitude Ripple within 902 ~ 928 MHz	dB <sub>p-p</sub>	-	0.7	2.0
Attenuation:				
D.C. ~ 800 MHz	dB	50	60	-
800 ~ 845 MHz	dB	50	55	-
845 ~ 880 MHz	dB	45	50	-
950 ~ 990 MHz	dB	25	31	-
990 ~ 1200 MHz	dB	50	58	-
1200 ~ 2000 MHz	dB	30	38	-
VSWR (902 ~ 928 MHz)	-	-	1.45	2.0

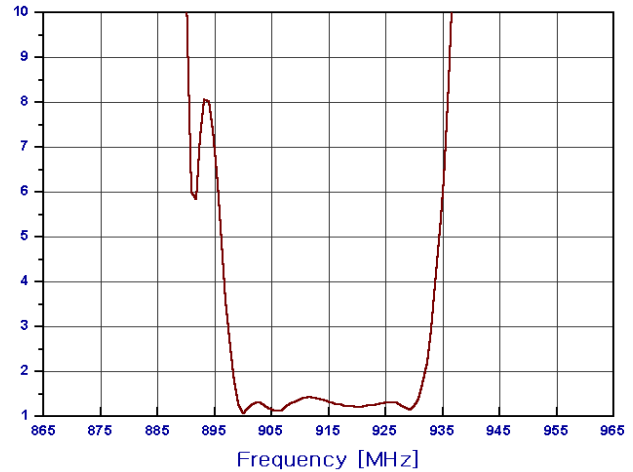
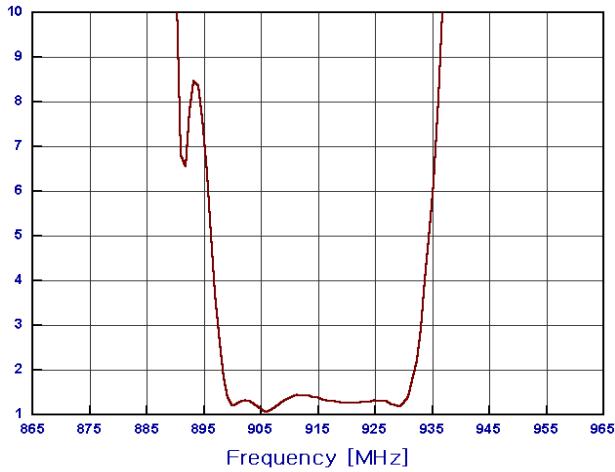


### Frequency Performance

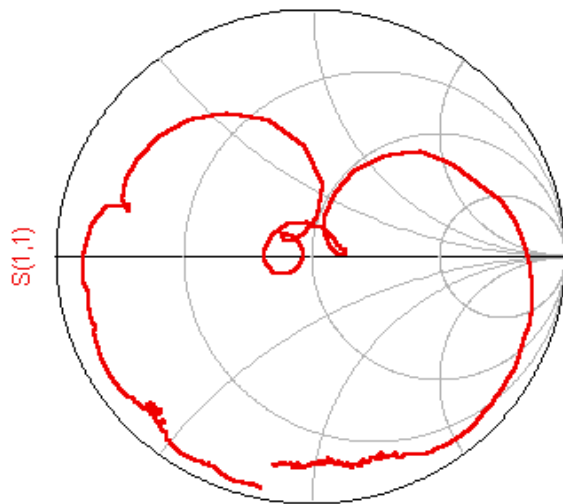




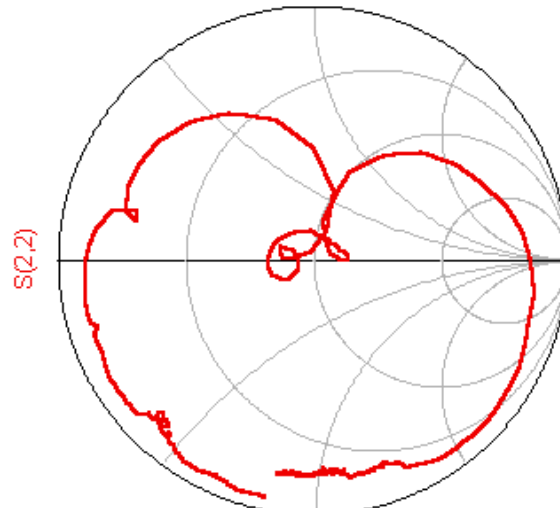
### VSWR



### Smith Chart



freq (765.0MHz to 1.065GHz)



freq (765.0MHz to 1.065GHz)