



REV A January 2010

Oscilent Controlled Document

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

### Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
- o Electrical Specification
- 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)

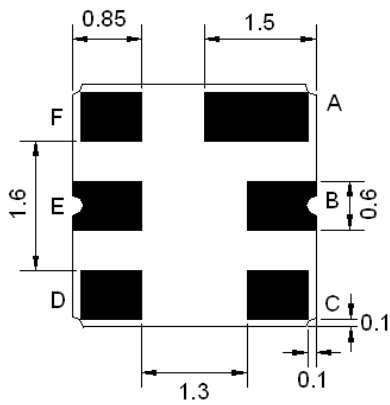




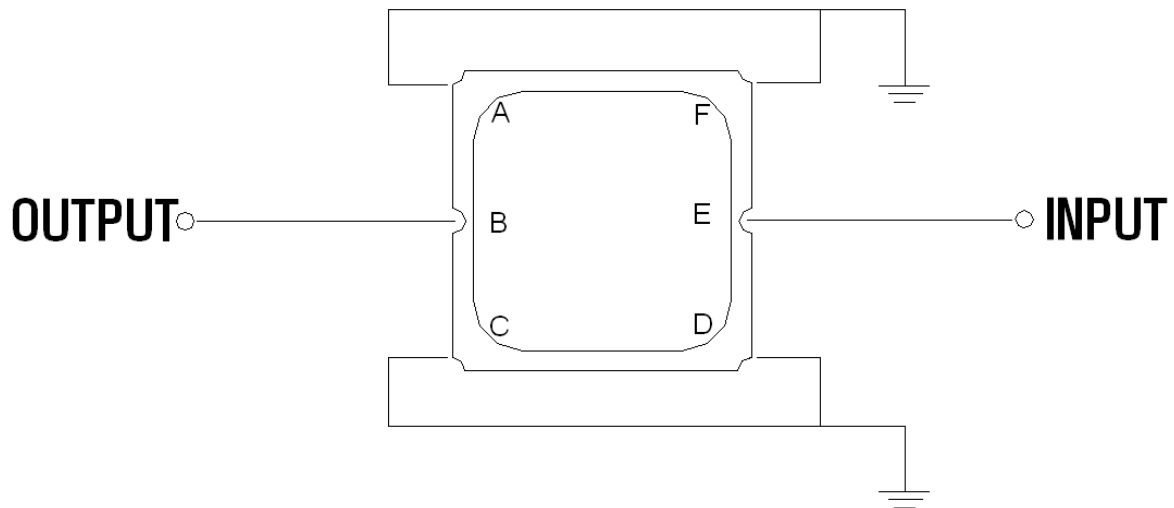
## Mechanical Dimensions (mm)



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	-40	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	17
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

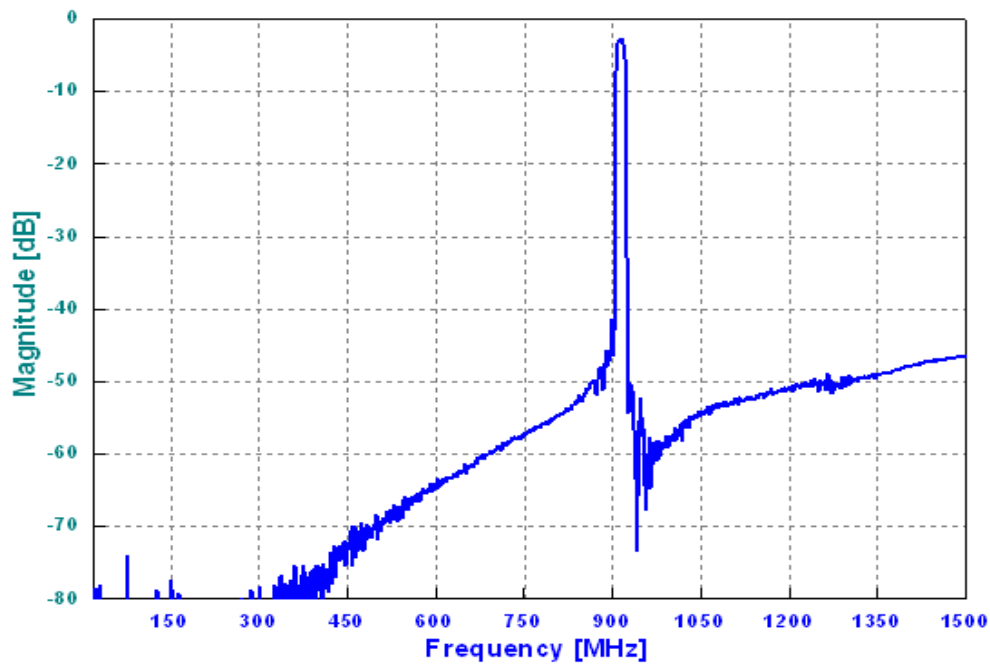
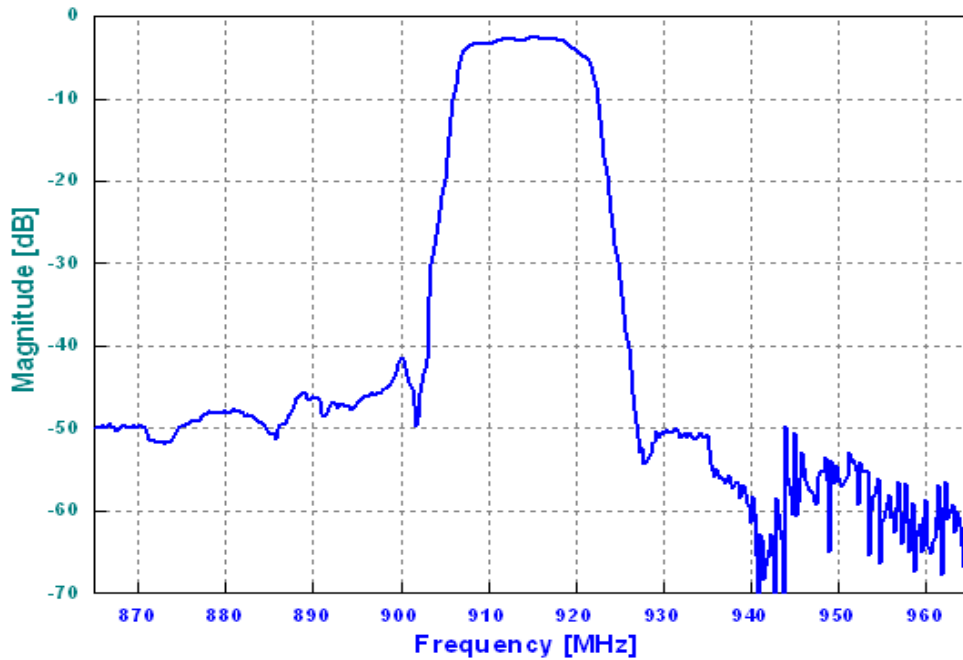
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	915.0	-
Insertion Loss within 914.0 ~ 916.0 MHz	dB	-	2.8	3.5
Amplitude Ripple within 914.0 ~ 916.0 MHz	dB <sub>p-p</sub>	-	0.45	1.0
Attenuation:				
20.0 ~ 850.0 MHz	dB	45	53	-
850.0 ~ 899.0 MHz	dB	35	43	-
899.0 ~ 901.0 MHz	dB	35	42	-
929.0 ~ 932.0 MHz	dB	40	50	-
950.0 ~ 1500.0 MHz	dB	40	46	-
VSWR within 914.0 ~ 916.0 MHz	-	-	1.50	2.0

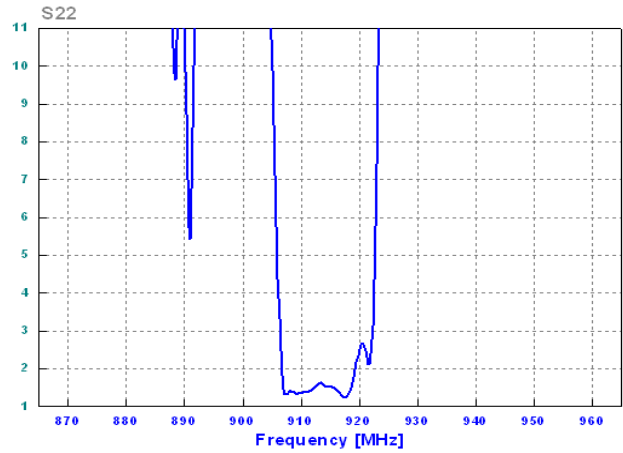
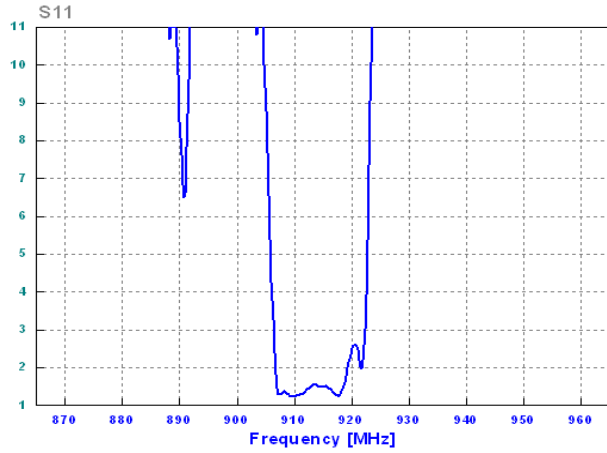


## Frequency Performance





### VSWR



### Smith Chart

