



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
803-RF930.5M-A	Wireless, RF SAW Filter

## Specification Contents

- o Mechanical Dimensions
- o Test Circuit
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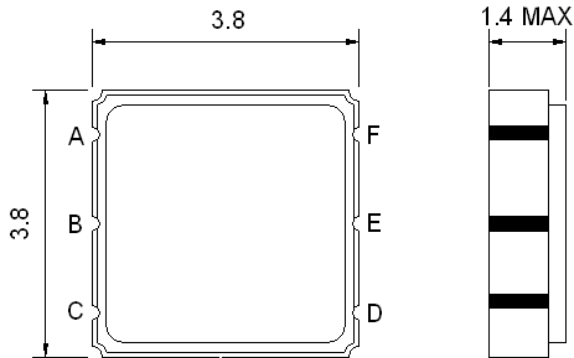
## Notes

- 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)

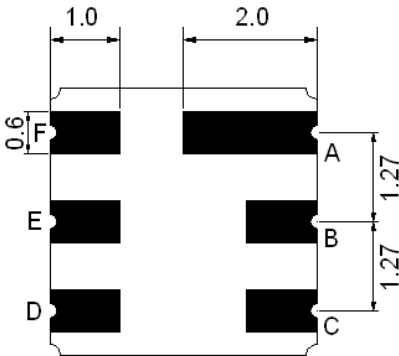




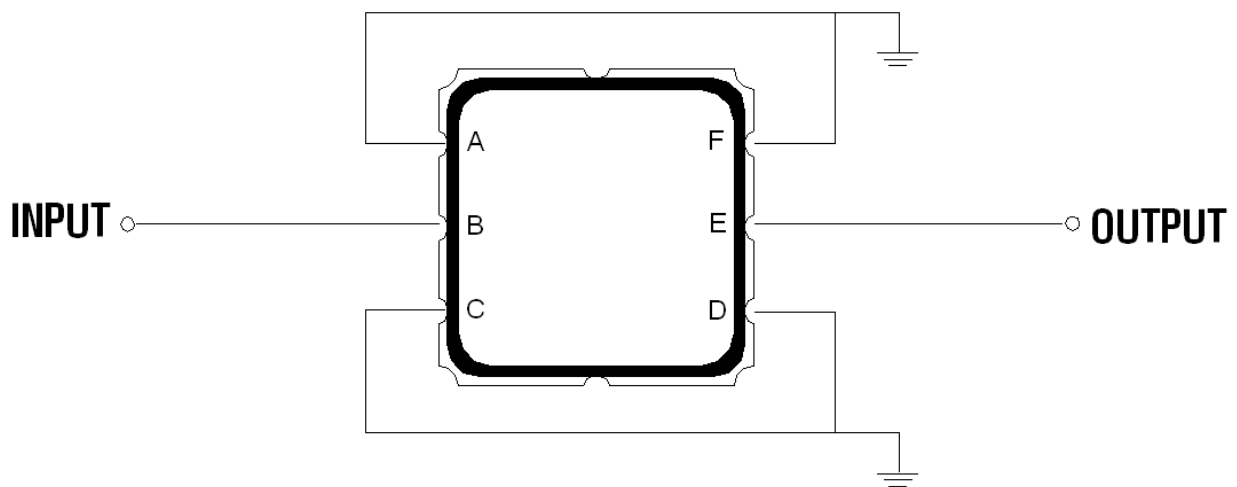
## Mechanical Dimensions (mm)



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



## Test Circuit



Source and Load Impedance: 50  $\Omega$



### Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+65
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

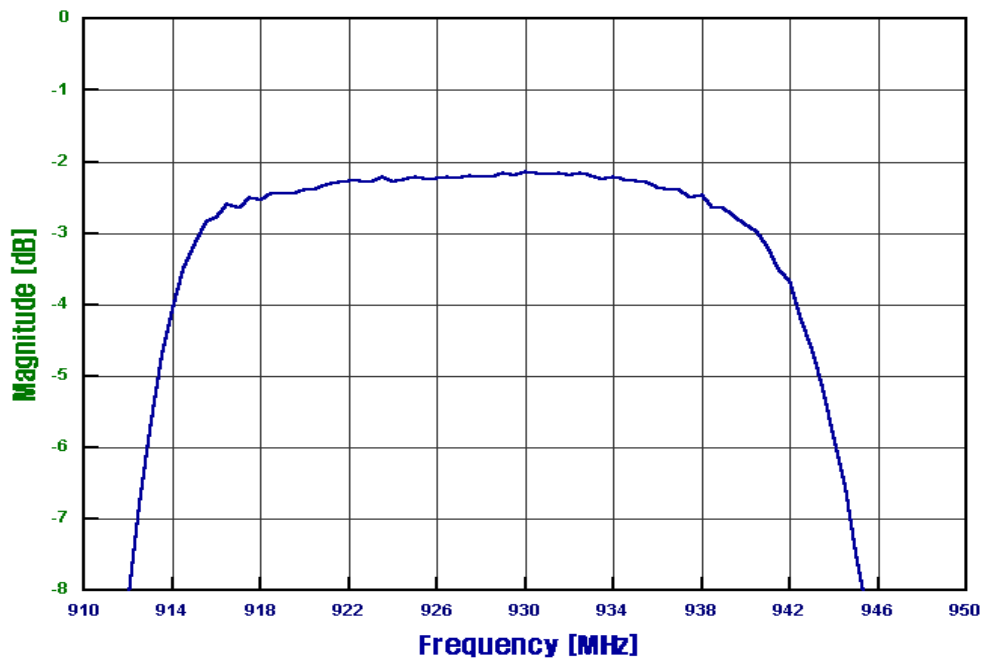
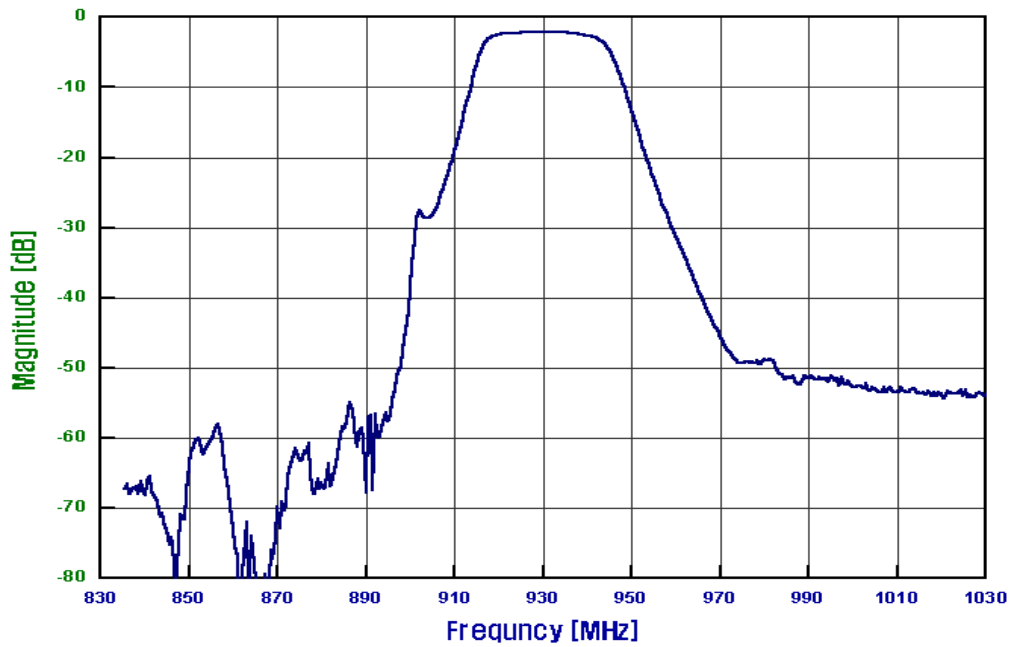
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	930.5	-
Insertion Loss (928.5 ~ 932.5 MHz)	dB	-	2.2	3.0
Amplitude Ripple within 928.5 ~ 932.5 MHz	dB <sub>p-p</sub>	-	0.3	1.0
Attenuation:				
Fo-200.0 ~ Fo-40.8 MHz	dB	50	55	-
Fo+50.0 ~ Fo+200.0 MHz	dB	40	48	-
VSWR (928.5 ~ 932.5 MHz)	-	-	1.4	2.0

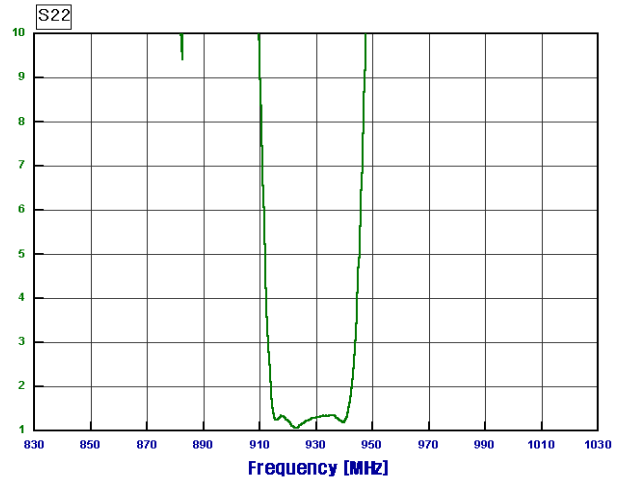
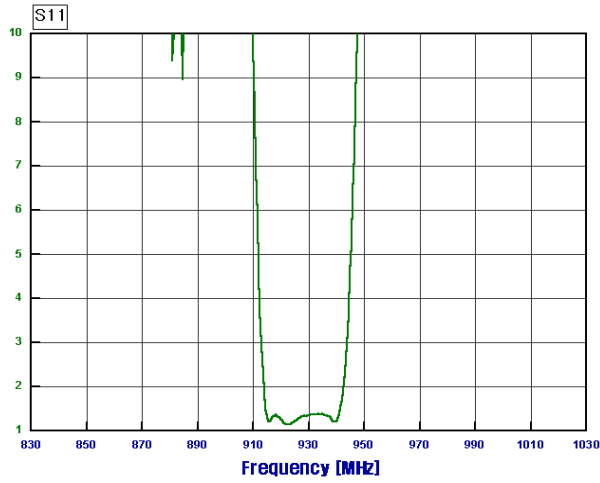


## Frequency Performance





### VSWR



### Smith Chart

