



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
802-RF976.0M-A	Wireless, RF SAW Filter

## Specification Contents

- o Mechanical Dimensions
- o Test Circuit
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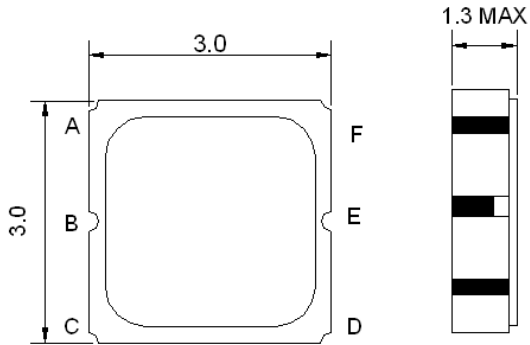
## Notes

- 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)

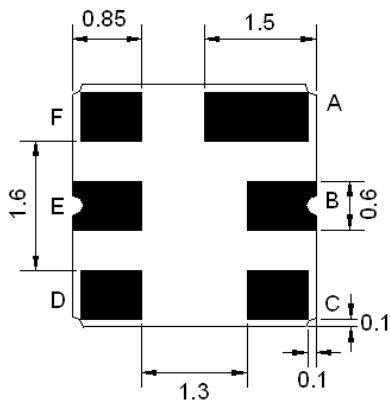




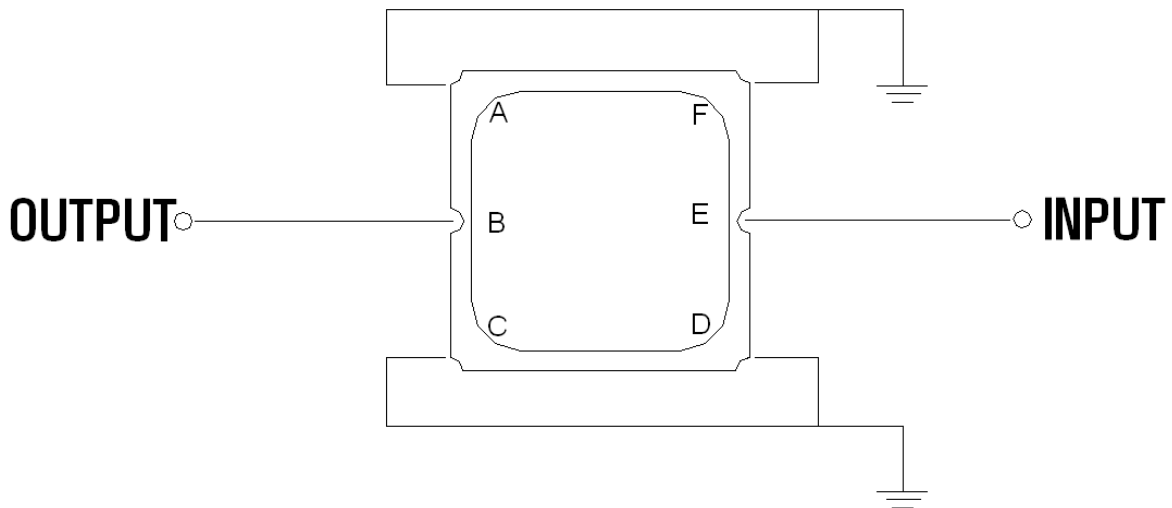
**Mechanical Dimensions (mm)**



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



**Test Circuit**



Source and Load Impedance: 50 Ω



### Maximum Ratings

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

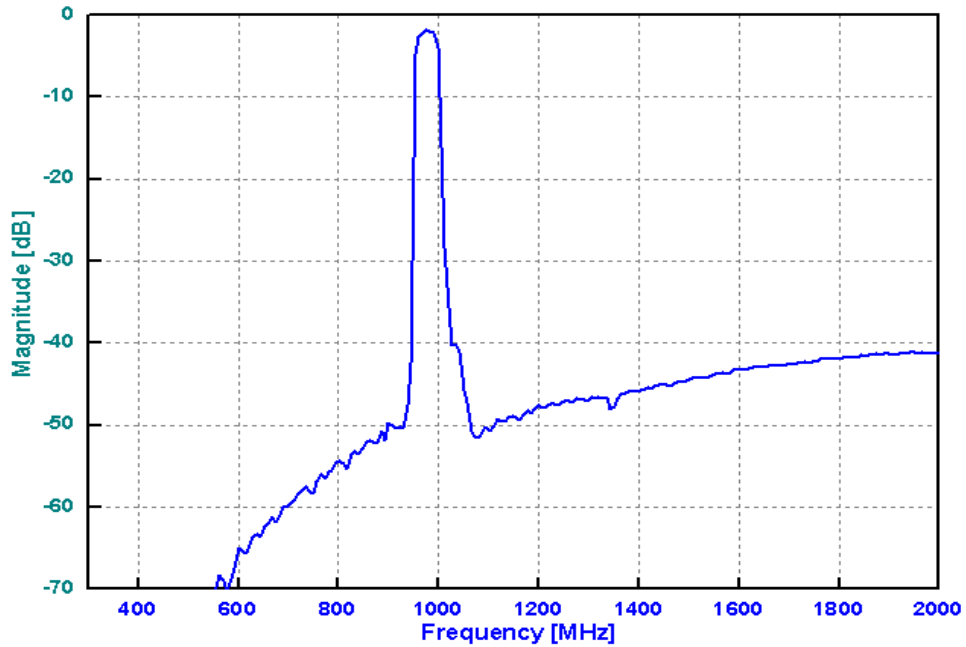
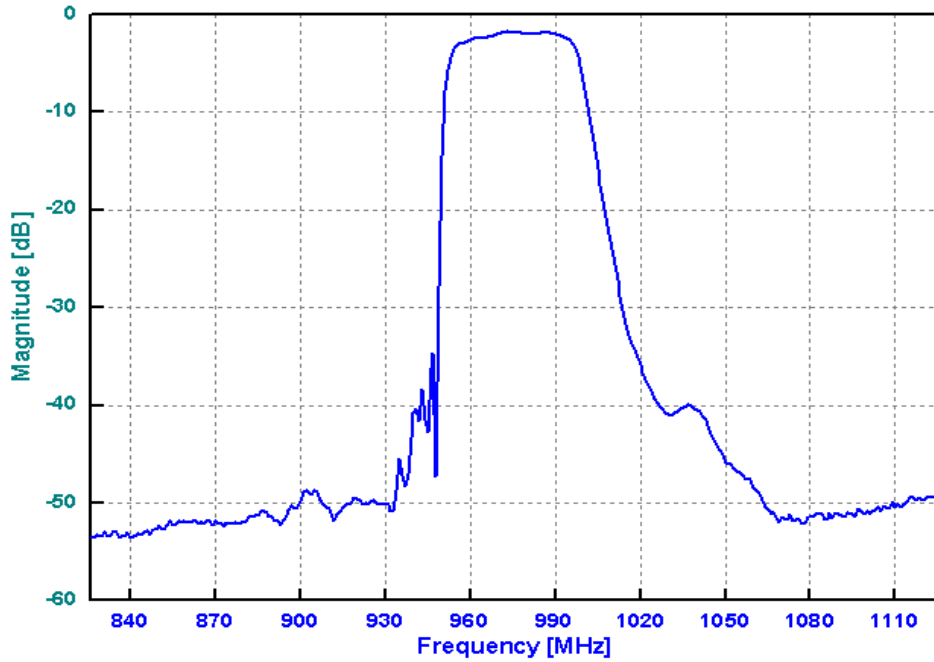
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	976.0	-
Insertion Loss within 960 ~ 992 MHz	dB	-	3.0	4.0
Amplitude Ripple within 960 ~ 992 MHz	dB <sub>p-p</sub>	-	0.9	1.8
Attenuation:				
D.C ~ 900.0 MHz	dB	40	47	-
900.0 ~ 930.0 MHz	dB	35	45	-
1030.0 ~ 2000.0 MHz	dB	25	38	-
VSWR within 960 ~ 992 MHz	-	-	1.7	2.5

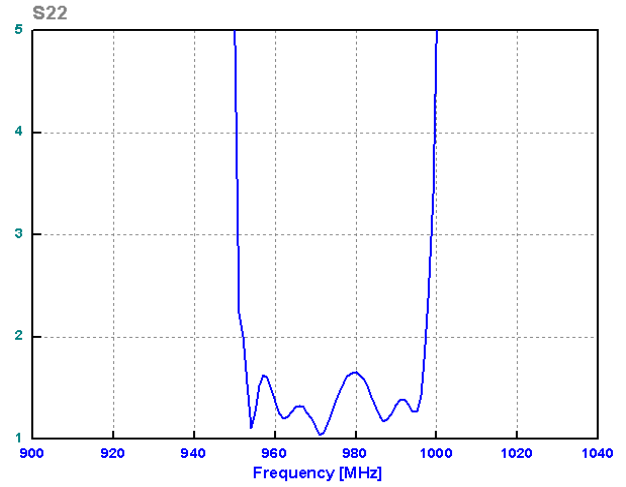
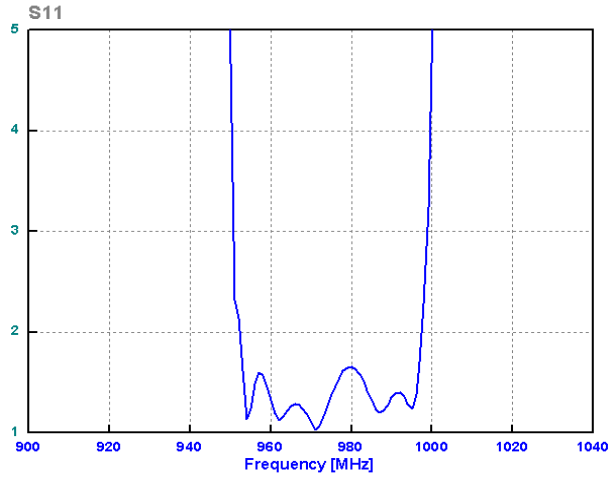


## Frequency Performance





### VSWR



### Smith Chart

