



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
802-RF2315.0M-A	WIBRO, RF 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)

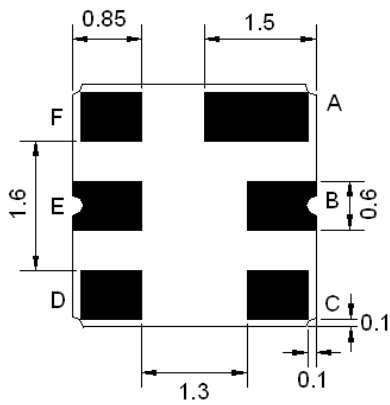




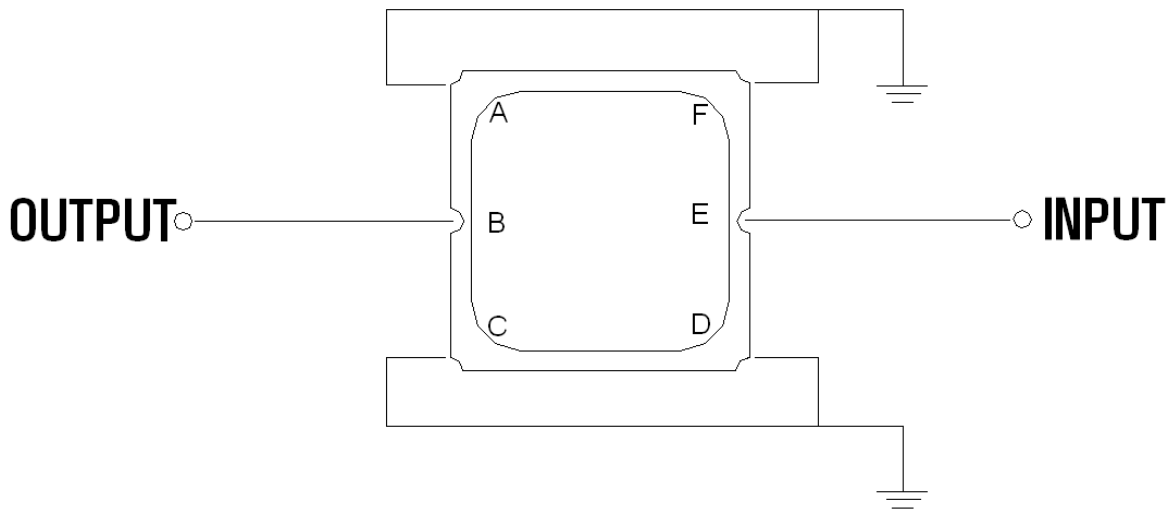
## Mechanical Dimensions (mm)



Pin Description	
A, C, D, 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	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

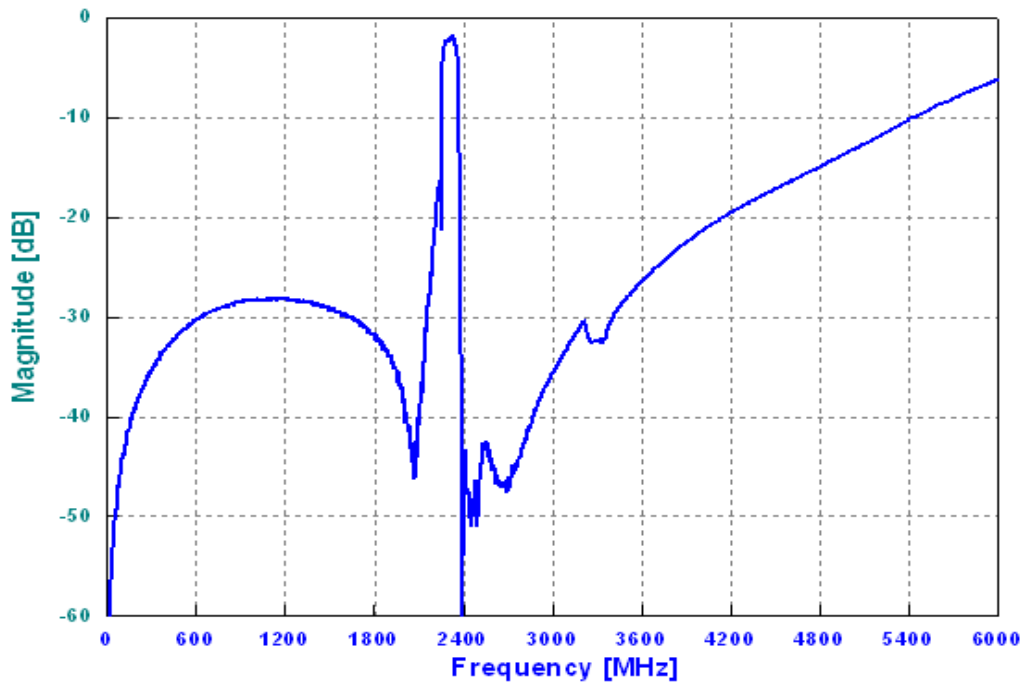
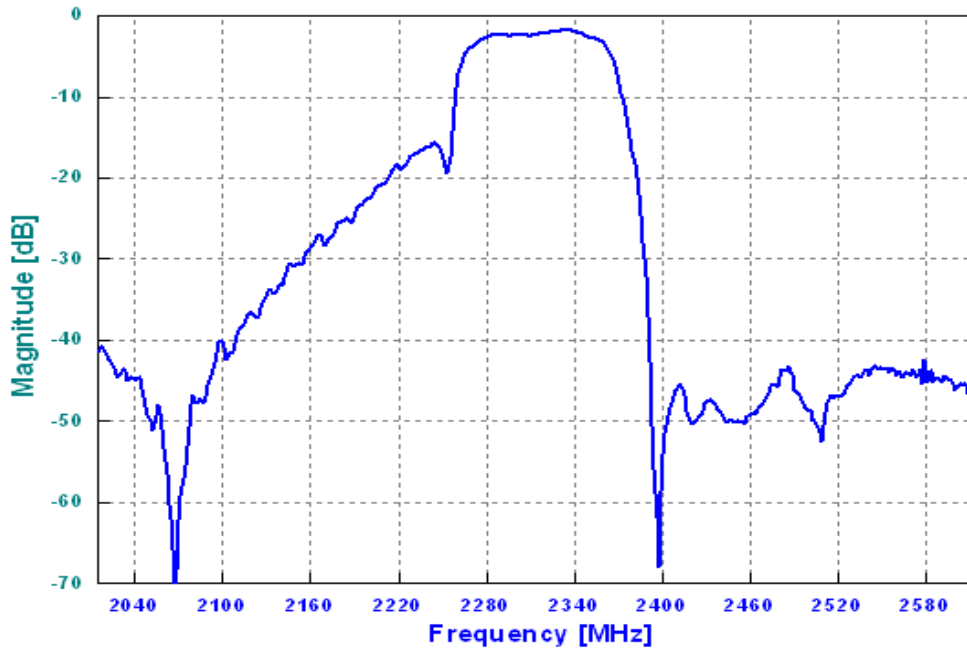
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	2315.0	-
Insertion Loss within 2300 ~ 2330 MHz	dB	-	2.1	2.5
Amplitude Ripple within 2300 ~ 2330 MHz	dB <sub>p-p</sub>	-	0.5	1.0
Attenuation:				
D.C. ~ 2170 MHz	dB	20	27	-
2400 ~ 3400 MHz	dB	25	30	-
3400 ~ 4500 MHz	dB	14	17	-
4500 ~ 6000 MHz	dB	5	7	-
VSWR within 2300.0 ~ 2330.0 MHz	-	-	2.0	2.4

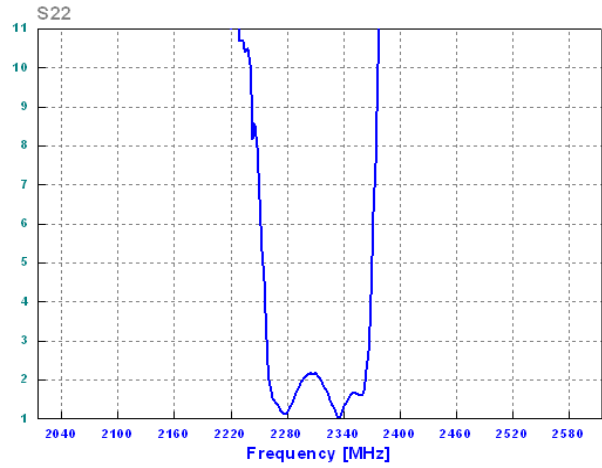
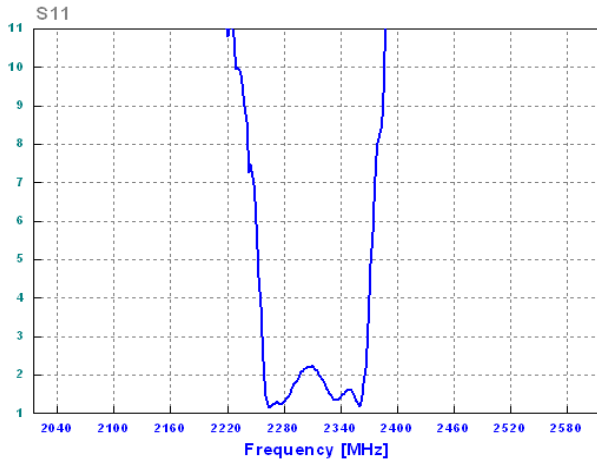


### Frequency Performance





### VSWR



### Smith Chart

