



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
803-RF335.5M-A	Wireless, RF SAW Filter

## Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
- o Electrical Specification
- o Frequency Performance

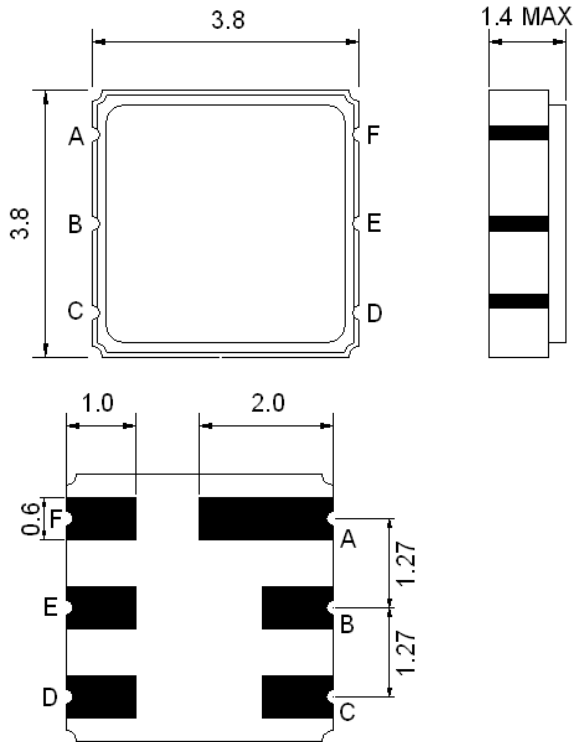
## Notes

- 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)



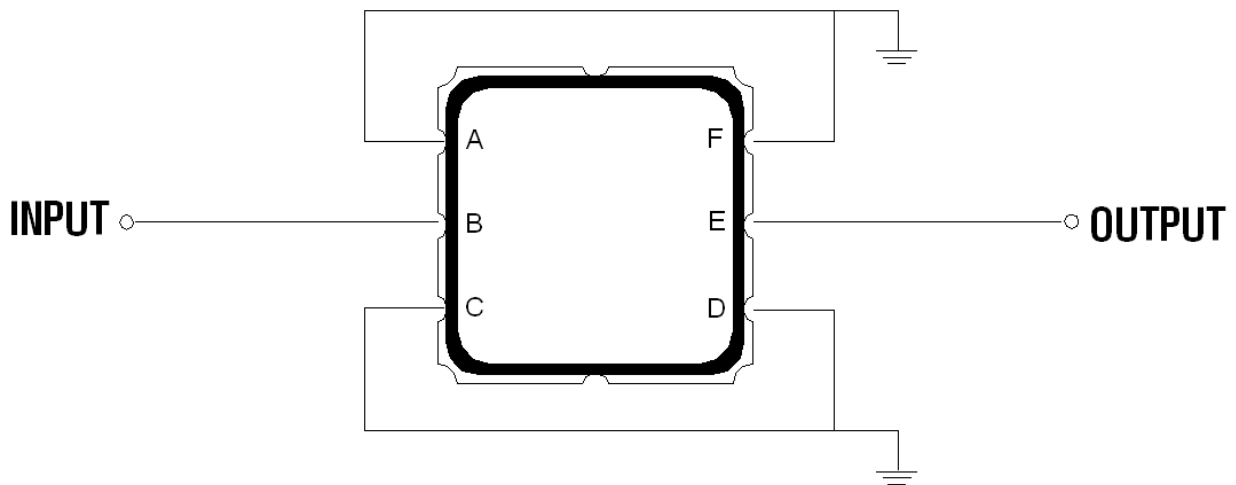


### Mechanical Dimensions (mm)



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	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	13
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	-	335.5	-
Insertion Loss within 332.0 ~ 339.0 MHz	dB	-	2.1	3.8
Amplitude Ripple within 332.0 ~ 339.0 MHz	dB <sub>p-p</sub>	-	0.9	2.0
Attenuation:				
10.0 ~ 290.0 MHz	dB	45	55	-
290.0 ~ 310.0 MHz	dB	40	50	-
360.0 ~ 380.0 MHz	dB	30	40	-
380.0 ~ 500.0 MHz	dB	40	48	-



### Frequency Performance

