



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
802-RF2540.0M-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)

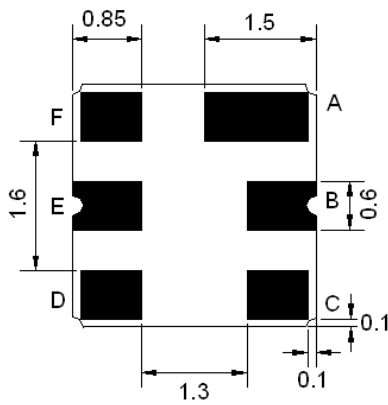




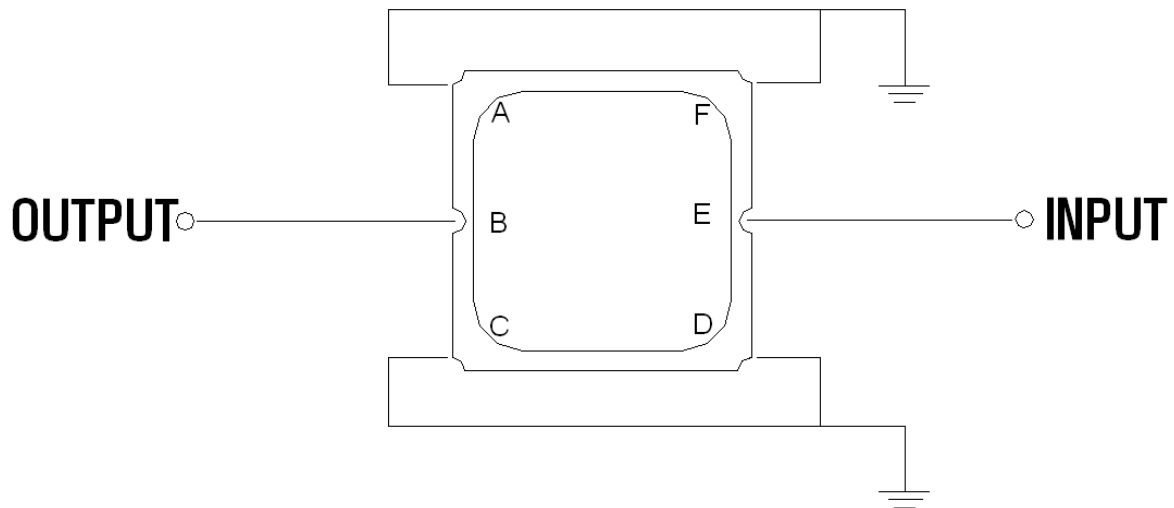
## Mechanical Dimensions (mm)



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



## Test Circuit



Source and Load Impedance: 50  $\Omega$



### Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-20	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	25
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	-	2540.0	-
Insertion Loss within 2520.0 ~ 2560.0 MHz	dB	-	2.1	2.5
Amplitude Ripple within 2520.0 ~ 2560.0MHz	dB <sub>p-p</sub>	-	1.0	1.5
Attenuation:				
0.3 ~ 2455.0 MHz	dB	10	20	-
2455.0 ~ 2480.0 MHz	dB	2.5	5	-
2630.0 ~ 3500.0 MHz	dB	22	27	-



### Frequency Performance

