



# PRODUCT SPECIFICATION

REV A January 2010


Oscilent Controlled Document

Ordering Code / Part Number	Product Description
808-RF836.5M-K	CDMA, RF-Tx SAW Filter

## Specification Contents

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

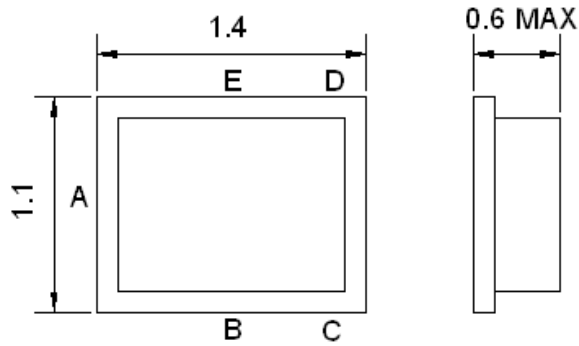
## Notes

- 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)

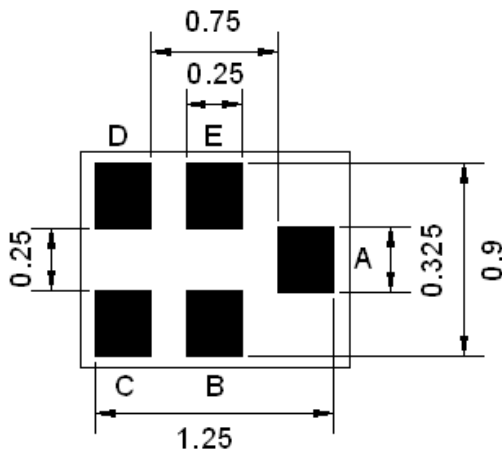




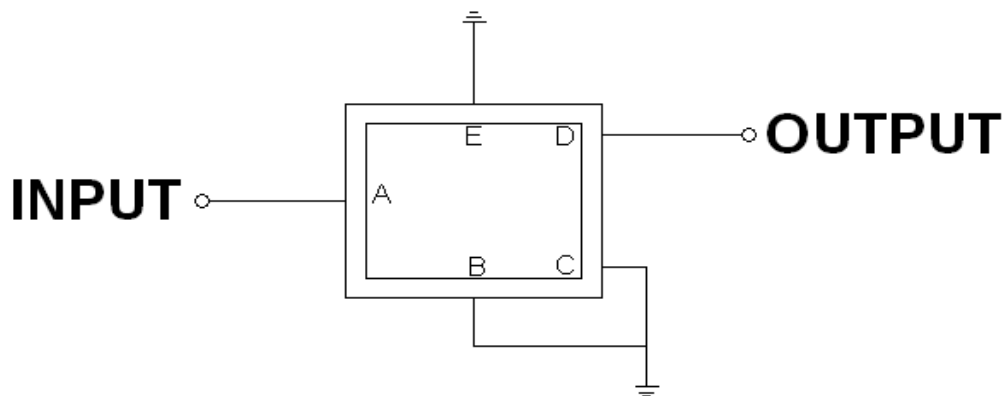
**Mechanical Dimensions (mm)**



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



**Test Circuit**



Source and Load Impedance: 50  $\Omega$



### Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
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	-	836.5	-
Insertion Loss within 824.0~849.0MHz	dB	-	2.1	2.7
Amplitude Ripple within 824.0~849.0MHz	dB <sub>p-p</sub>	-	0.7	1.5
Attenuation:				
D.C ~ 800.0 MHz	dB	35	40	-
869.0 ~ 894.0 MHz	dB	35	40	-
894.0 ~ 1080.0 MHz	dB	38	42	-
1080.0 ~ 3000.0 MHz	dB	25	30	-
VSWR within 824.0~849.0MHz	-	-	1.7	2.1



### Frequency Performance

