



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
808-RF1960.0M-E	PCS, RF-Rx SAW Filter

## Specification Contents

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

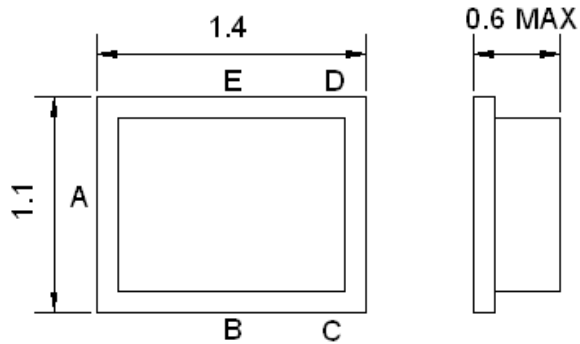
## Notes

- 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)

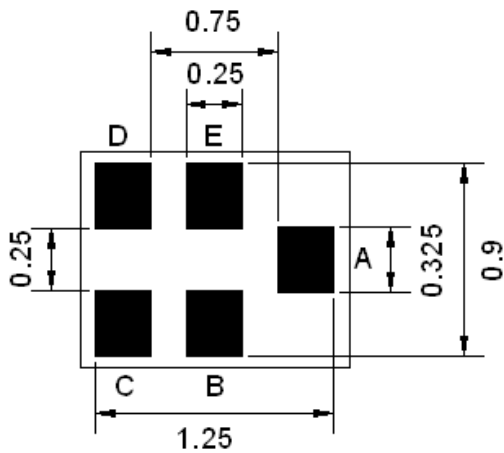




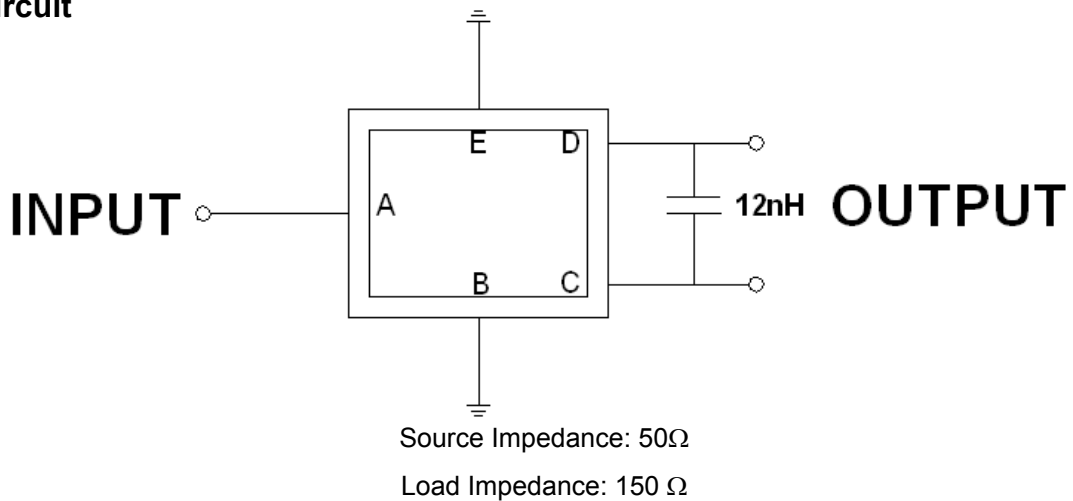
## Mechanical Dimensions (mm)



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



## Test Circuit



**Maximum Ratings**

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-10	-	+80
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 balanced ended) <sup>(1)</sup>	Ω	-	150	-

Notes: (1) With Matching Network (Ref. Testing Environment Circuit as shown above)

**Electrical Specification**

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1960.0	-
Insertion Loss within 1930.0~1990.0MHz	dB	-	1.4	2.4
Amplitude Ripple within 1930.0~1990.0MHz	dB <sub>p-p</sub>	-	0.6	1.8
Amplitude Imbalance within 1930.0~1990.0MHz	dB	-2.0	-0.8/+0.8	2.0
Phase Imbalance within 1930.0~1990.0MHz	dgree	-12	-5/+5	12
Attenuation:				
D.C ~ 1830.0 MHz	dB	25	27	-
1830.0 ~ 1910.0 MHz	dB	8	13	-
2010.0 ~ 2070.0 MHz	dB	8	12	-
2070.0 ~ 2150.0 MHz	dB	18	22	-
2150.0 ~ 3000.0 MHz	dB	26	35	-
3000.0 ~ 6000.0 MHz	dB	35	50	-
VSWR within 1930.0~1990.0MHz	-	-	1.6	2.3



### Frequency Performance

