



PRODUCT SPECIFICATION

REV A January 2010


Oscilent Controlled Document

Ordering Code / Part Number	Product Description
808-RF2140.0M-D	WCDMA, RX-RF SAW Filter

Specification Contents

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

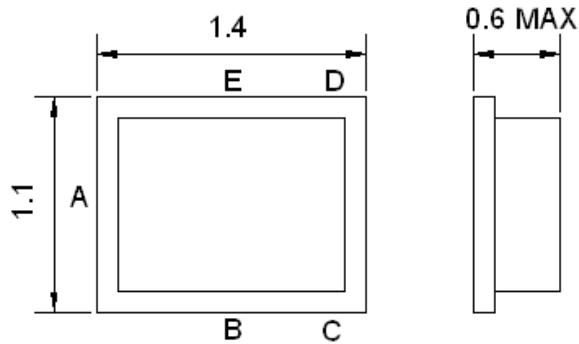
Notes

- 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)

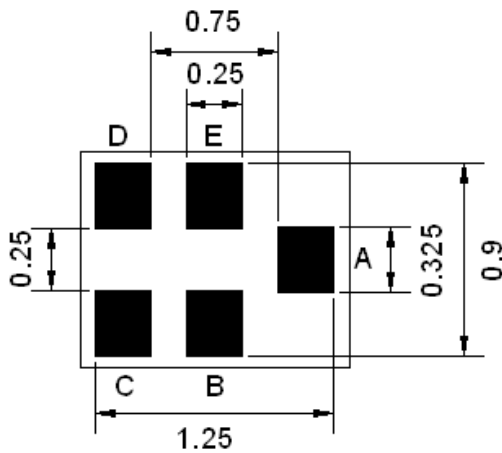




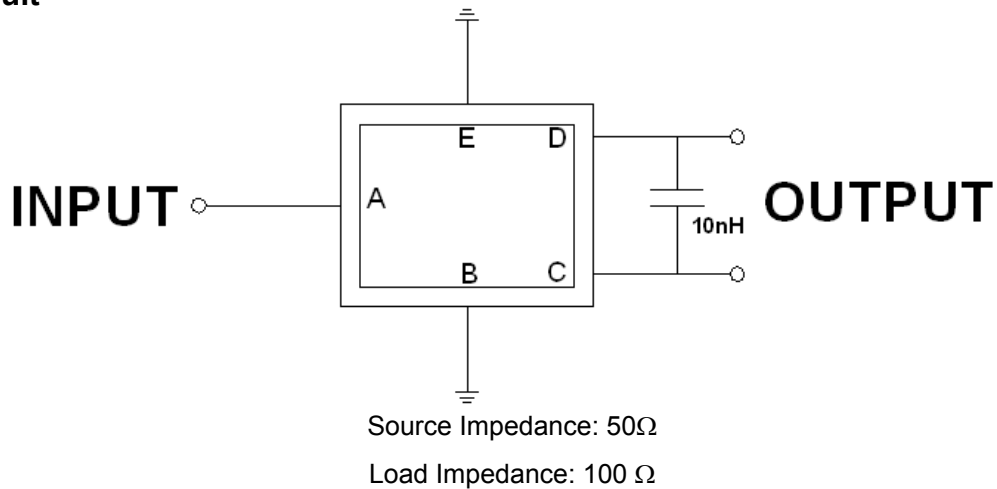
Mechanical Dimensions (mm)



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



Test Circuit



**Maximum Ratings**

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	4
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (balanced ended) ⁽¹⁾	Ω	-	100	-

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

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	2140.0	-
Insertion Loss within 2110.0~2170.0MHz	dB	-	1.6	2.0
Amplitude Ripple within 2110.0~2170.0MHz	dB _{p-p}	-	0.5	1.5
Attenuation:				
D.C ~ 1980.0 MHz	dB	35	40	-
1980.0 ~ 2050.0 MHz	dB	20	25	-
2230.0 ~ 2300.0 MHz	dB	15	17	-
2300.0 ~ 4000.0 MHz	dB	25	28	-
4000.0 ~ 6000.0 MHz	dB	35	45	-
VSWR within 2110.0~2170.0MHz	-	-	1.9	2.3



Frequency Performance

