



PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
805-RF250.0M-A	Wireless, RF SAW Filter

Specification Contents

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

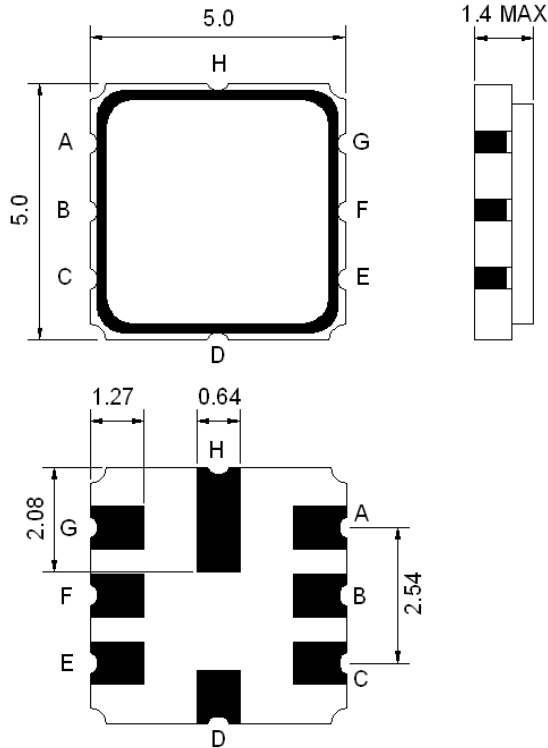
Notes

- 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)



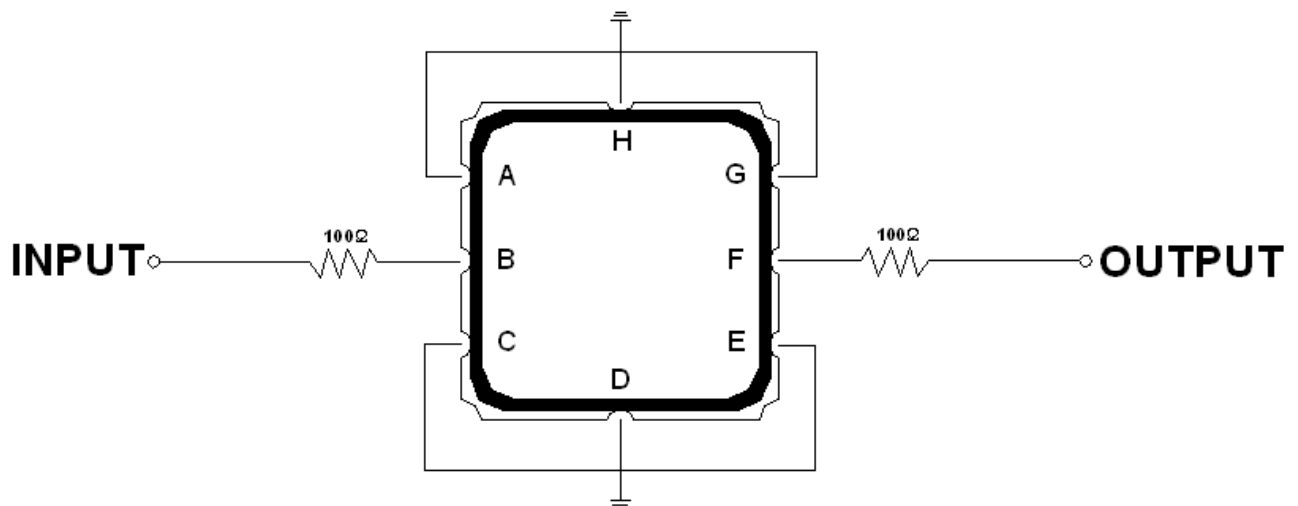


Mechanical Dimensions (mm)



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

Test Circuit



Source and Load Impedance: 50 Ω



Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-10	-	+60
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) ⁽¹⁾	Ω	-	150	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	150	-

Notes: With Matching Network

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	250.0	-
Insertion Loss in 247.5 ~ 252.5 MHz	dB	-	3.0	4.0
Amplitude Ripple in 247.5 ~ 252.5 MHz	dB	-	1.5	2.5
Stop Band Attenuation:				
D.C ~ Fo-42.8 MHz	dB	50	55	-
Fo+40.0 ~ F+200.0 MHz	dB	50	55	-



Frequency Performance

