



PRODUCT SPECIFICATION

REV A January 2010


Oscilent Controlled Document

| Ordering Code / Part Number | Product Description |
|-----------------------------|-------------------------|
| 805-RF246.0M-A | Low-Loss, RF SAW Filter |

Specification Contents

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

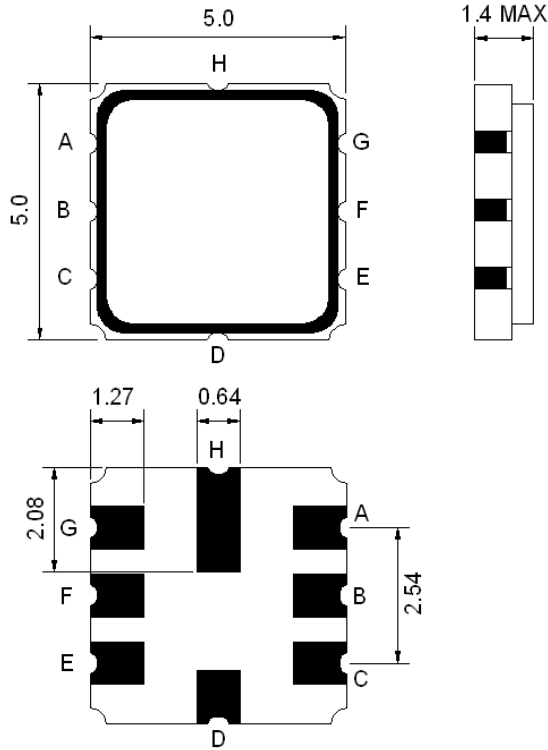
Notes

- 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)



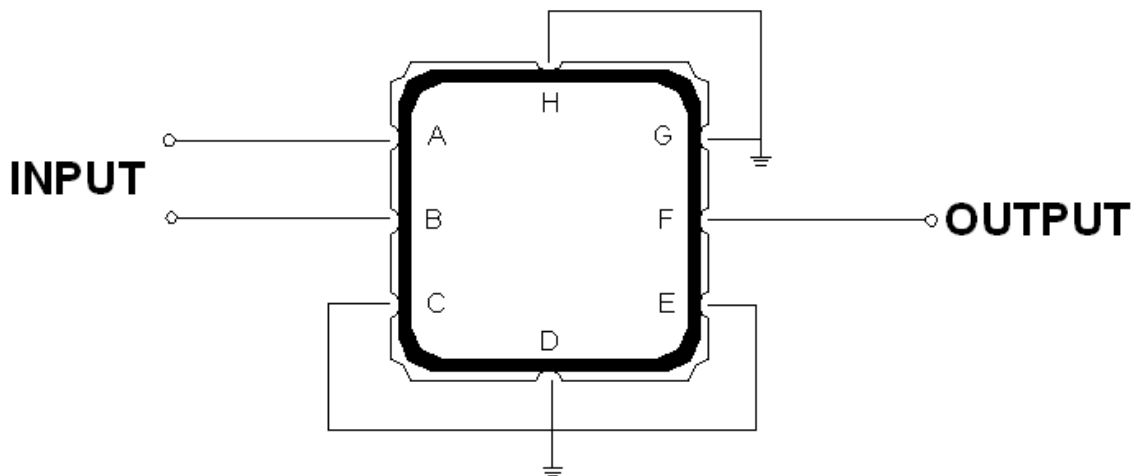


Mechanical Dimensions (mm)



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

Test Circuit



Source Impedance: 200 Ω

Load Impedance: 50 Ω



Maximum Ratings

| Parameters Description | Unit | Minimum | Typical | Maximum |
|--|------|---------|---------|---------|
| Operating Temperature Range | °C | -25 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 0 |
| Maximum Input Power | dBm | - | - | 0 |
| Source Impedance (balanced ended) ⁽¹⁾ | Ω | - | 200 | - |
| Load Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |

Notes: No Matching Network

Electrical Specification

| Parameters Description | Unit | Minimum | Typical | Maximum |
|--|------|---------|---------|---------|
| Center Frequency (Fo) | MHz | - | 246.0 | - |
| Maximum Insertion Loss in 245.5 ~246.5 MHz | dB | - | 1.5 | 2.5 |
| Amplitude Ripple in 245.5 ~ 246.5 MHz | dB | - | 0.2 | 0.4 |
| Group Delay Ripple in 245.5 ~246.5 MHz | ns | - | 15 | 50 |
| Stop Band Attenuation: | | | | |
| 100.0 ~ 226.0 MHz | dB | 40 | 60 | - |
| 226.0 ~ 236.0 MHz | dB | 7 | 48 | - |
| 256.0 ~ 266.0 MHz | dB | 7 | 25 | - |
| 266.0 ~ 268.0 MHz | dB | 25 | 40 | - |
| 268.0 ~ 500.0 MHz | dB | 35 | 40 | - |



Frequency Performance

