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

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

Notes

- Electrostatic Sensitive Device (ESD)
- Avoid excessive ultrasonic exposure
- Solderability compatible with JEDEC J-STD-020C Pb-free process, 260°C peak reflow temperature
- This product complies with EU directive 2002/95/EC (RoHS compliance)

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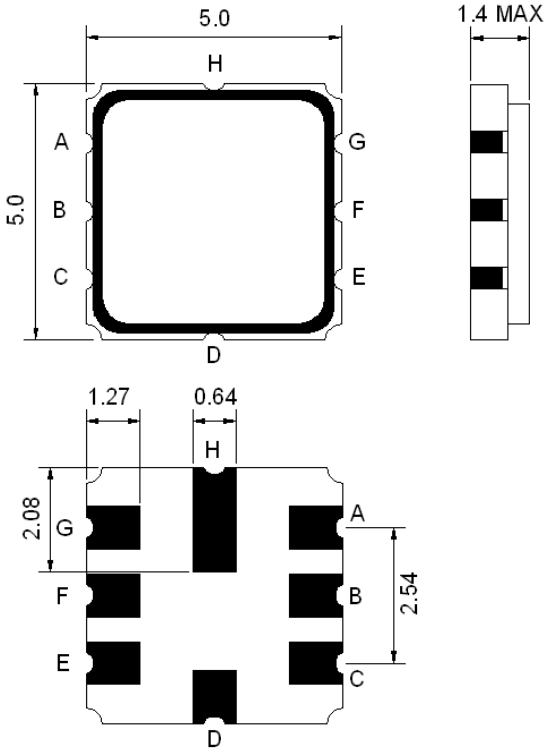
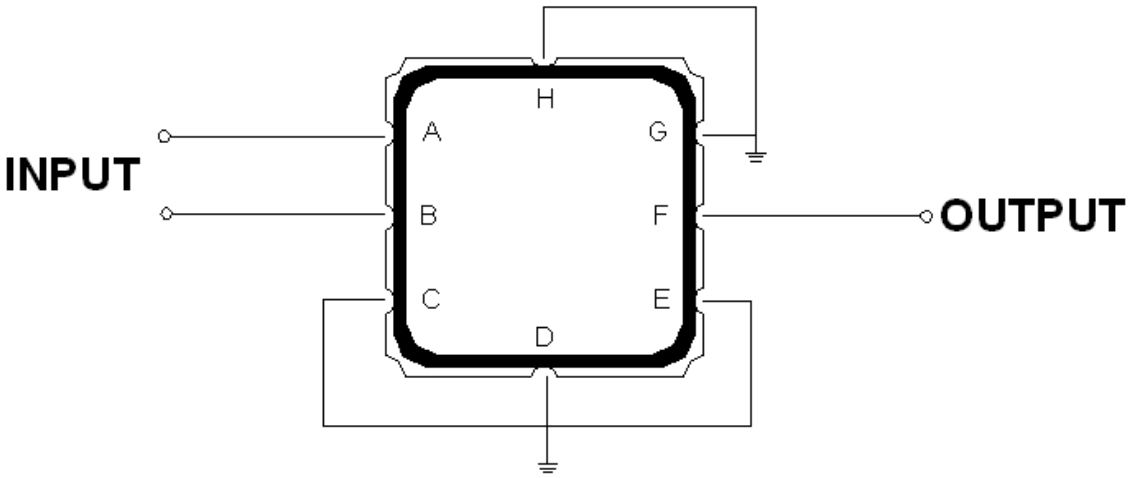
Mechanical Dimensions (mm)



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

Test Circuit



Source Impedance: 200 Ω

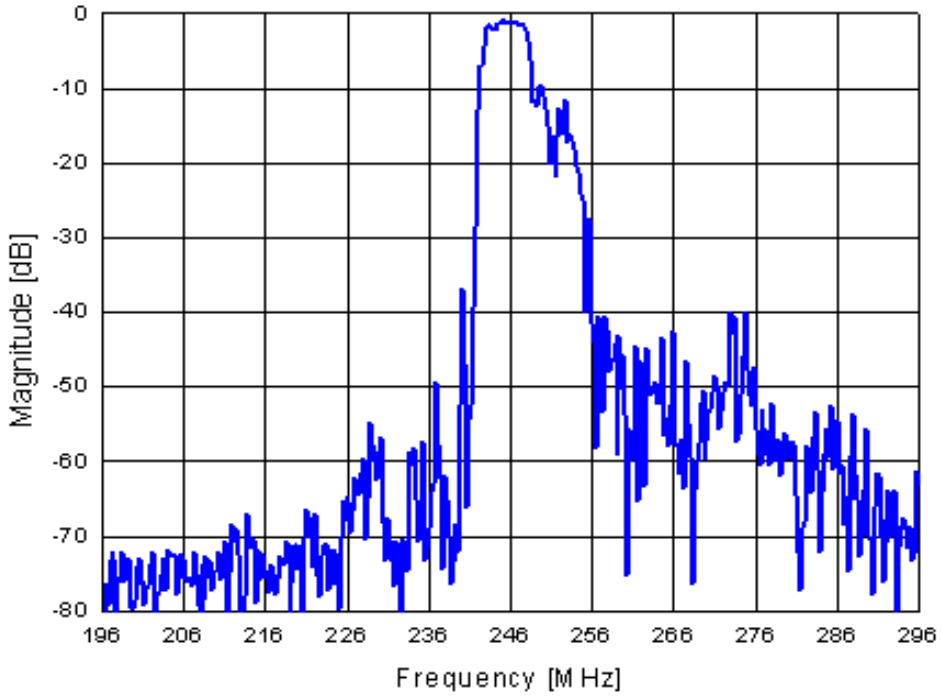
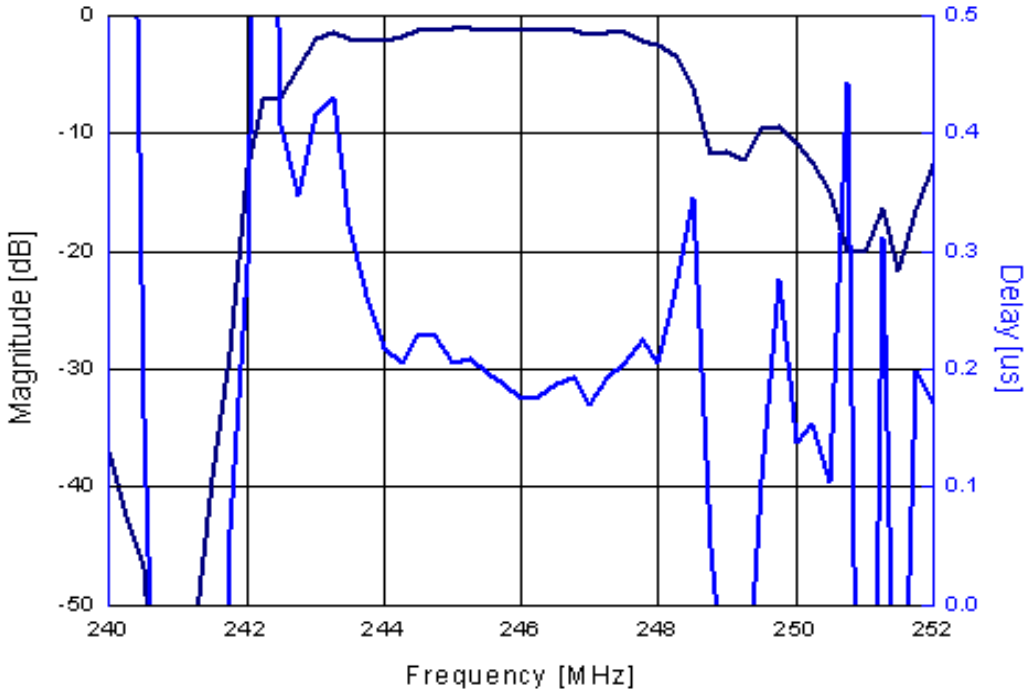
Load Impedance: 50 Ω

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