



REV A January 2010


Oscilent Controlled Document

Ordering Code / Part Number	Product Description
803-RF1030.0M-A	Wireless, RF SAW Filter

Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
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- o Frequency Performance
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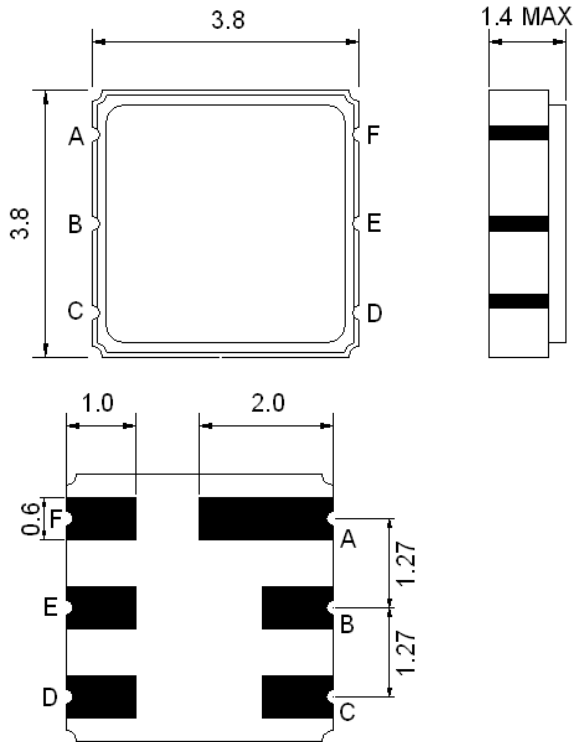
Notes

- 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)



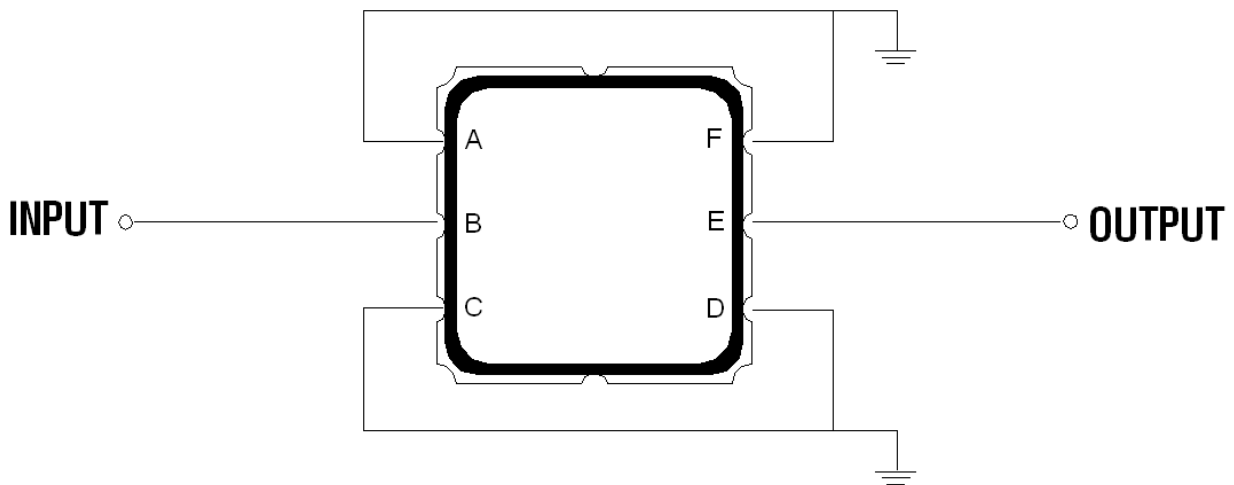


Mechanical Dimensions (mm)



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

Test Circuit



Source and Load Impedance: 50 Ω

**Maximum Ratings**

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-

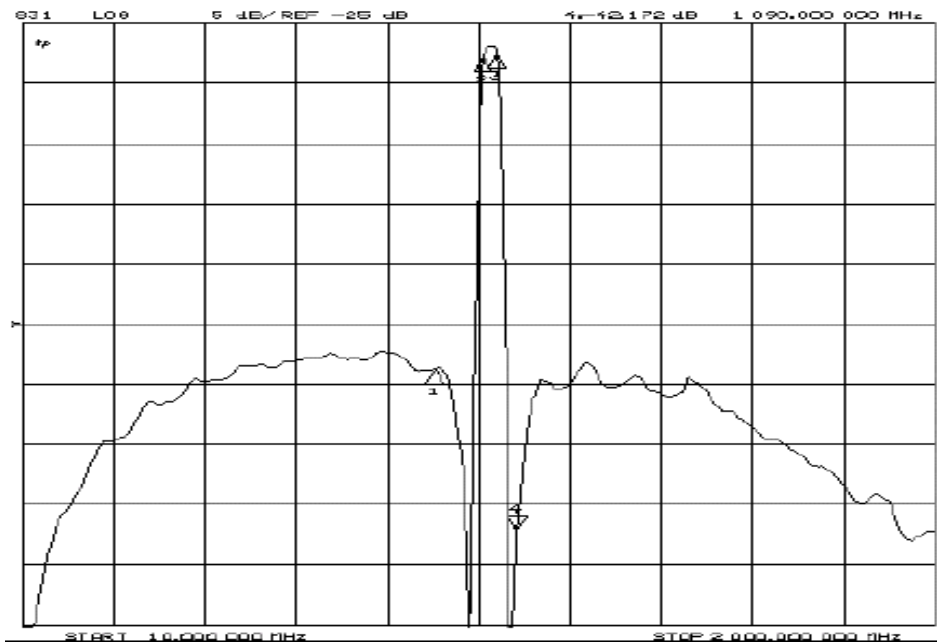
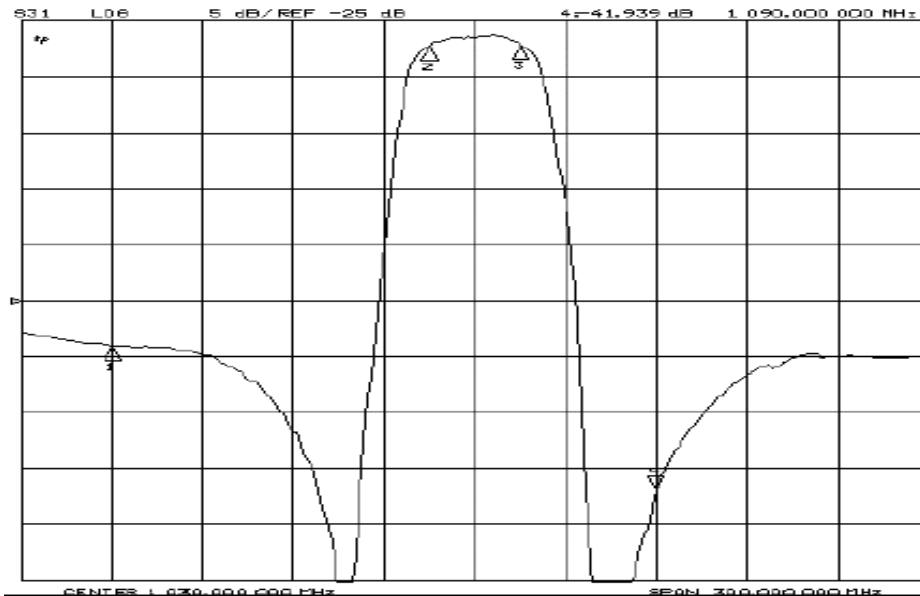
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1030.0	-
Insertion Loss within 1015.0 ~ 1045.0 MHz	dB	-	2.3	3.0
Amplitude Ripple within 1025.0 ~ 1035.0 MHz	dB _{p-p}	-	0.25	1.0
Attenuation:				
D.C. ~ 910.0 MHz	dB	25	29.5	-
1090.0 ~ 1300.0 MHz	dB	25	32.5	-
VSWR within 1015.0 ~ 1045.0 MHz	-	-	1.8	2.1

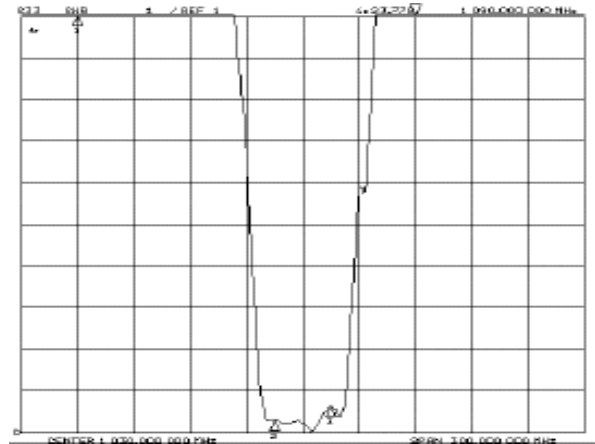
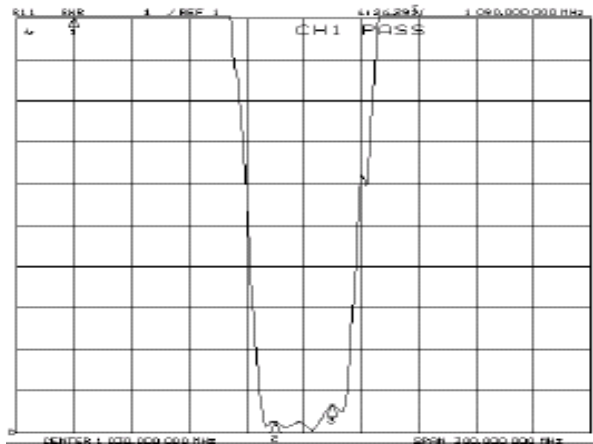


Frequency Performance





VSWR



Smith Chart

