



REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
862-RF1220.0M-A	Wireless, Balanced RF SAW Filter

Specification Contents

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

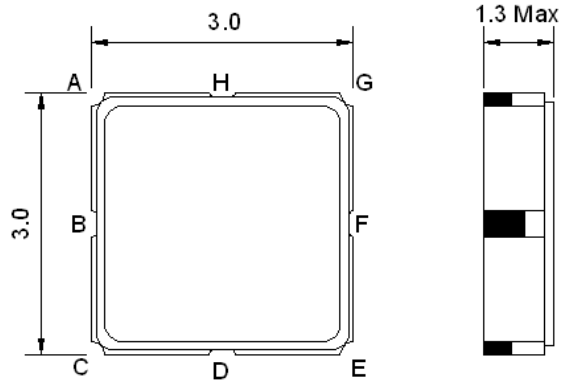
Notes

- 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)

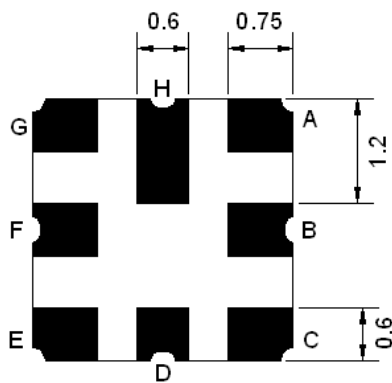




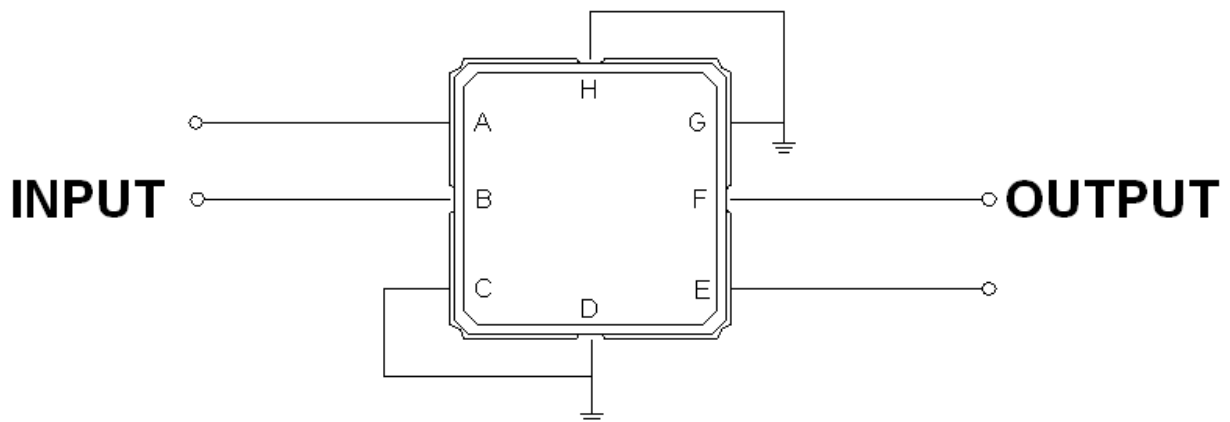
Mechanical Dimensions (mm)



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



Test Circuit



Source Impedance: 200 Ω

Load Impedance: 200 Ω

**Maximum Ratings**

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	0
Source Impedance (Balanced ended) ⁽¹⁾	Ω	-	200	-
Load Impedance (Balanced ended) ⁽¹⁾	Ω	-	200	-

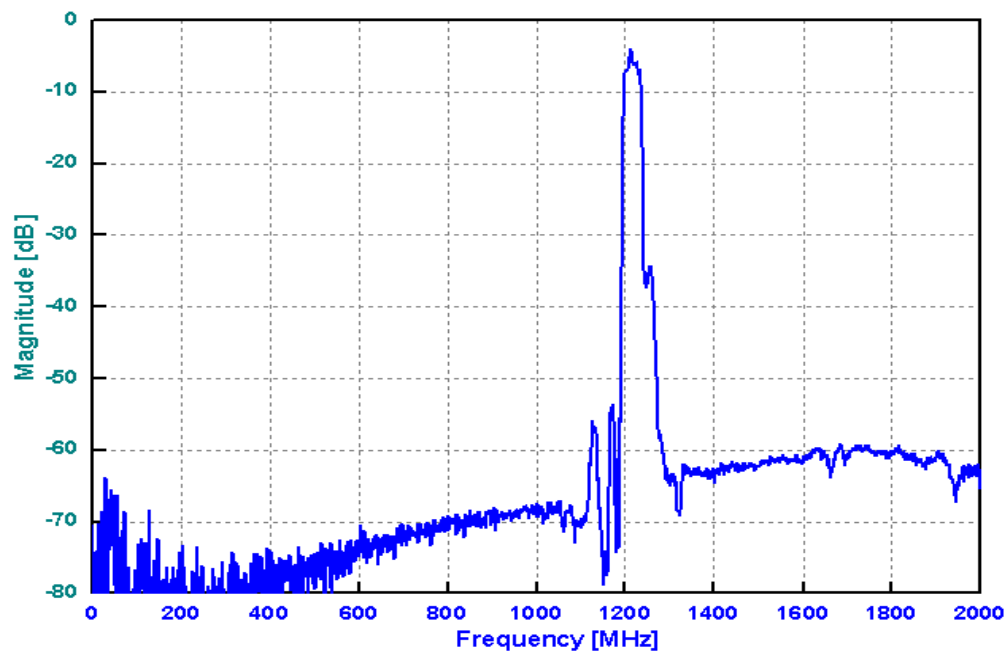
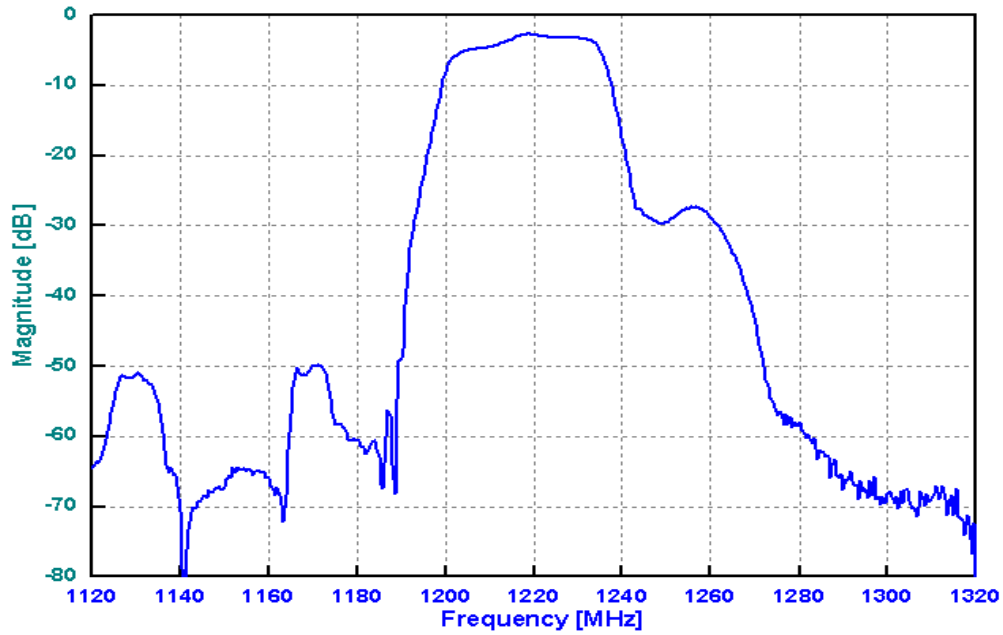
Notes: With Matching Network ns

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1220.0	-
Insertion Loss within 1216.0 ~ 1224.0 MHz	dB	-	3.5	4.8
Amplitude Ripple within 1216.0 ~ 1224.0 MHz	dB _{p-p}	-	0.4	1.0
Group Delay Ripple within 1216.0 ~ 1224.0 MHz	ns _{p-p}	-	40	-
Attenuation:				
Fo-200.0 ~ Fo-68.0 MHz	dB	46	51	-
Fo-88.0 MHz	dB	48	53	-
Fo-72.0 MHz	dB	50	58	-
Fo-44.0 MHz	dB	48	56	-
Fo-36.0 MHz	dB	46	59	-
Fo+70.0 ~ 2000.0 MHz	dB	50	61	-

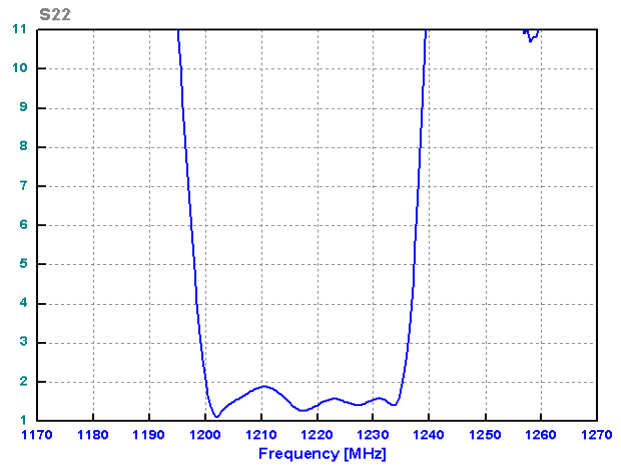
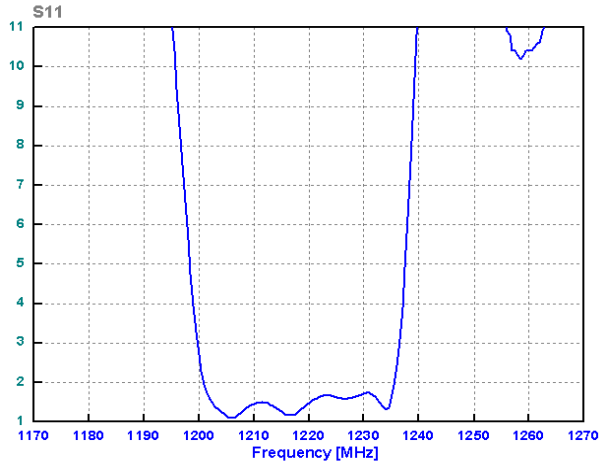


Frequency Performance





VSWR



Smith Chart

