



REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
802-RF1220.0M-C	RF Band Pass SAW Filter

Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
- o Electrical Specification
- 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)

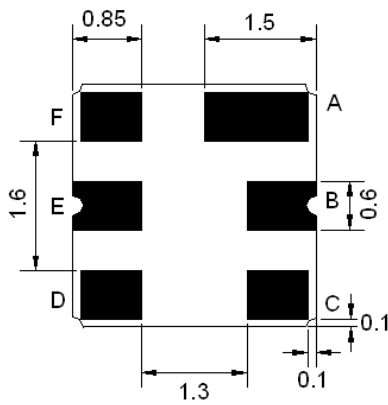




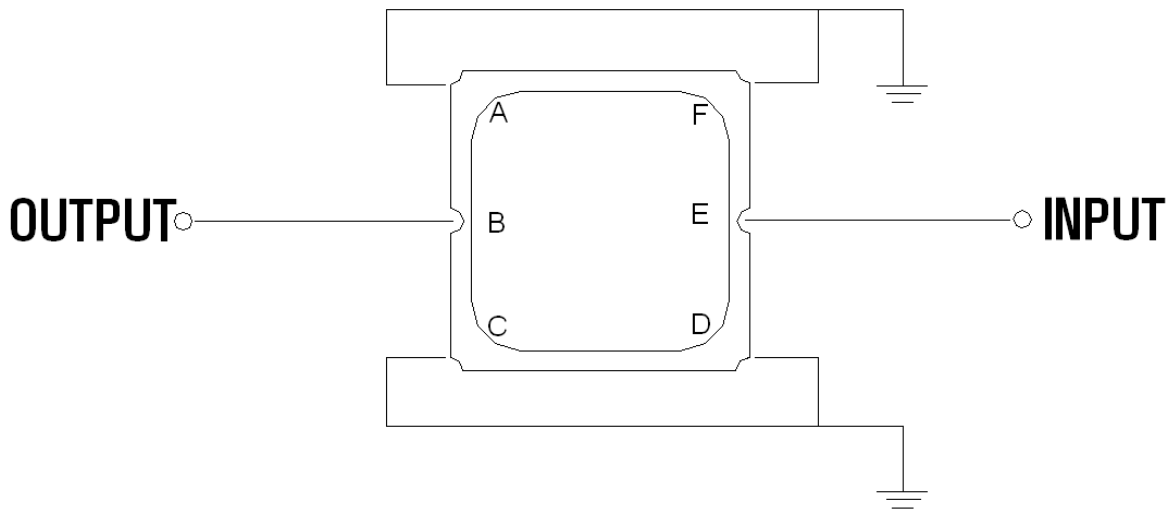
Mechanical Dimensions (mm)



Pin Description	
A, C, D, F	Ground
E	In
B	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	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-

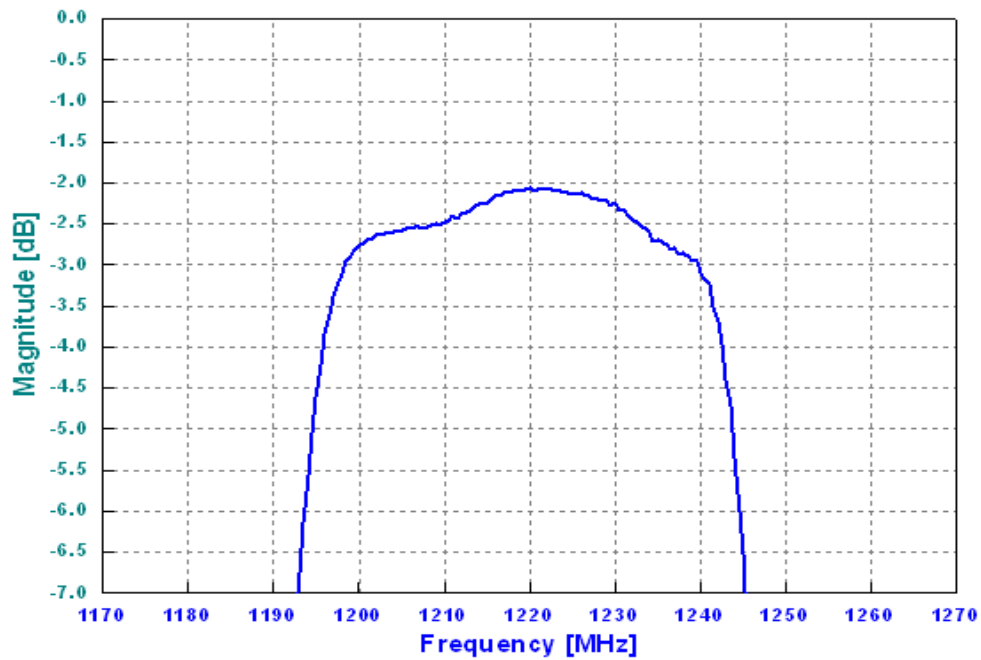
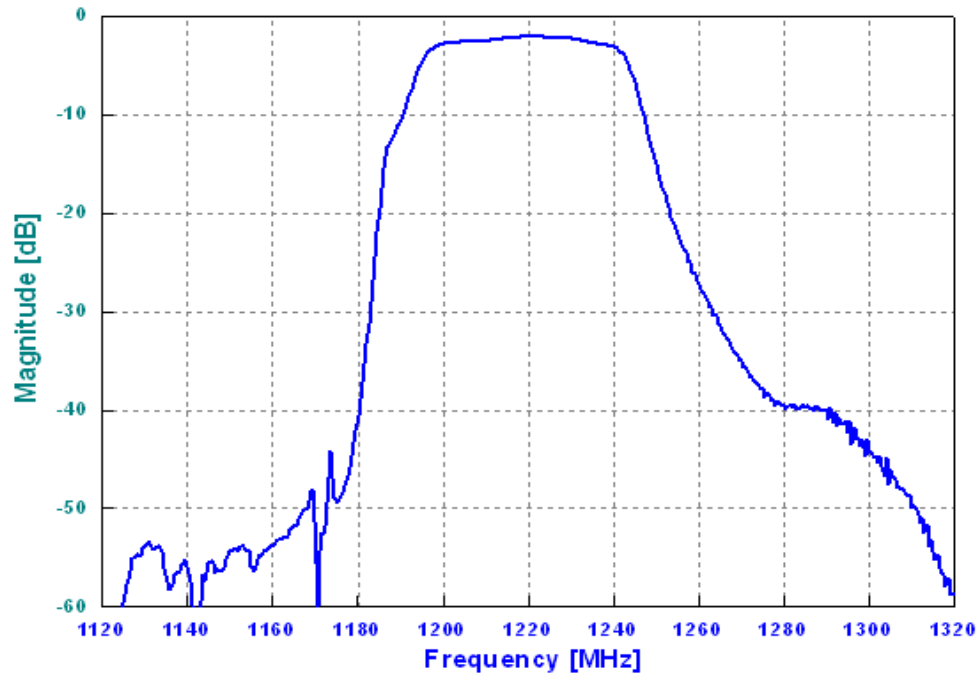
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1220.0	-
Insertion Loss within 1210.0 ~ 1230.0 MHz	dB	-	2.7	4.5
Amplitude Ripple within 1210.0 ~ 1230.0 MHz	dB _{p-p}	-	0.5	2.0
Attenuation:				
1176.0 MHz	dB	40	48	-
1320.0 ~ 1360.0 MHz	dB	40	55	-
VSWR within 1210.0 ~ 1230.0 MHz	-	-	1.3	2.0

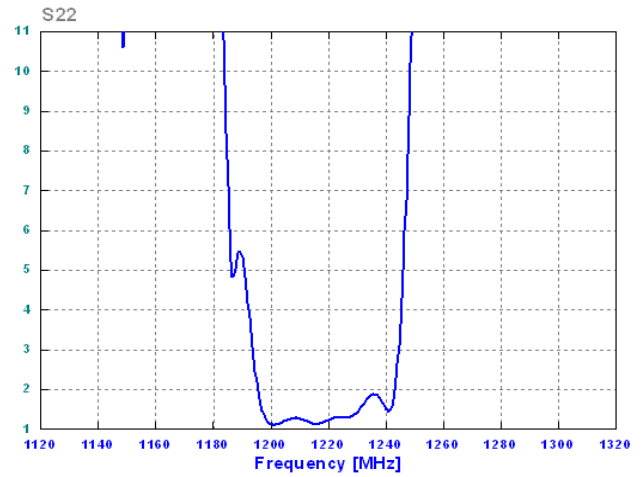
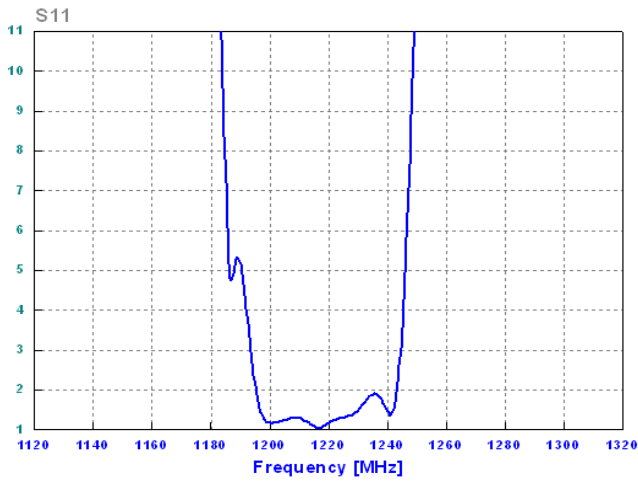


Frequency Performance





VSWR



Smith Chart

