



REV A January 2010


Oscilent Controlled Document

Ordering Code / Part Number	Product Description
803-RF914.0M-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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- o Smith Chart

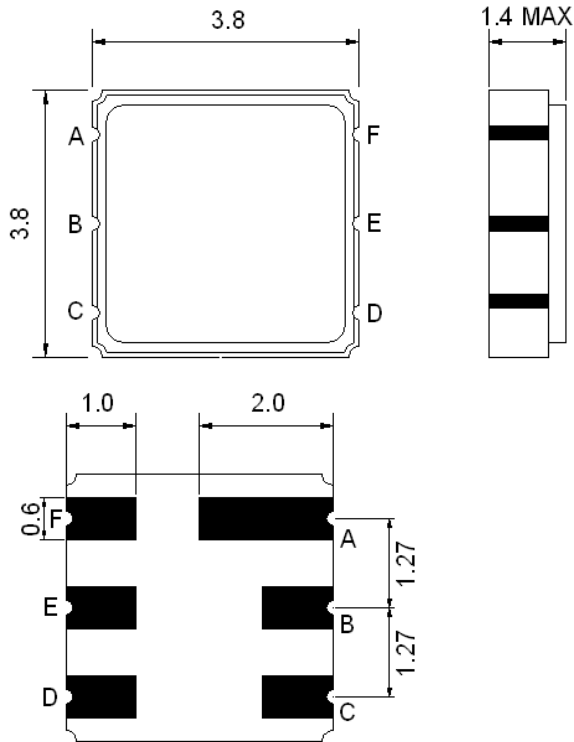
Notes

- 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)



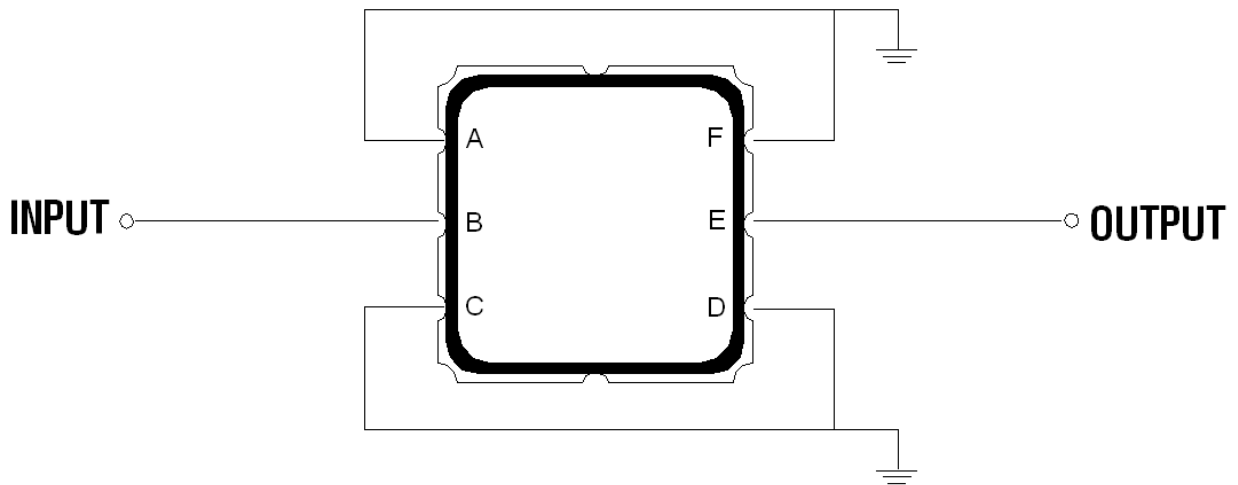


Mechanical Dimensions (mm)



Pin Description	
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	-	+80
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	-

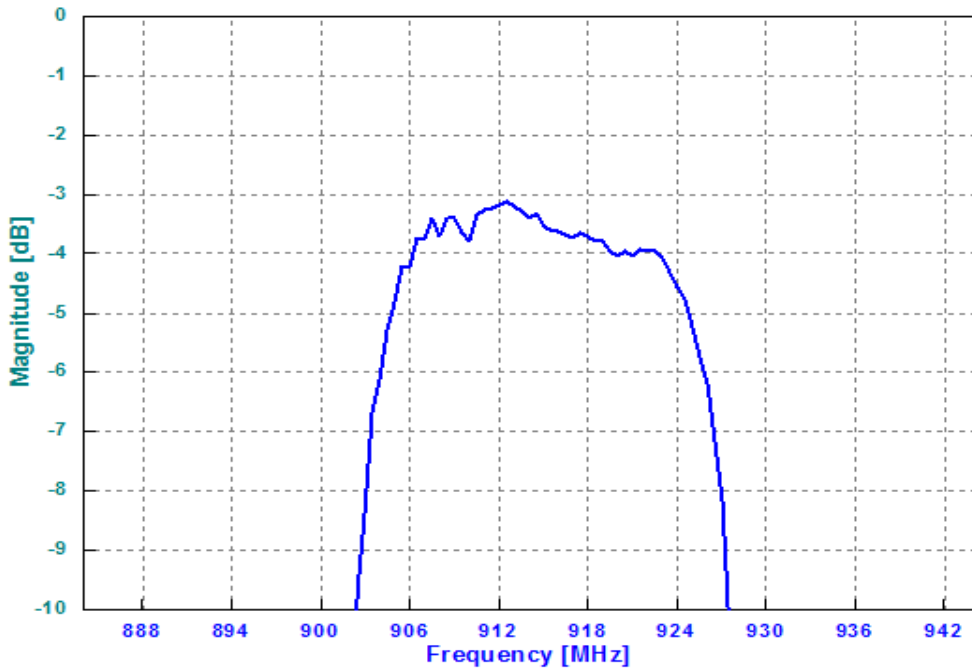
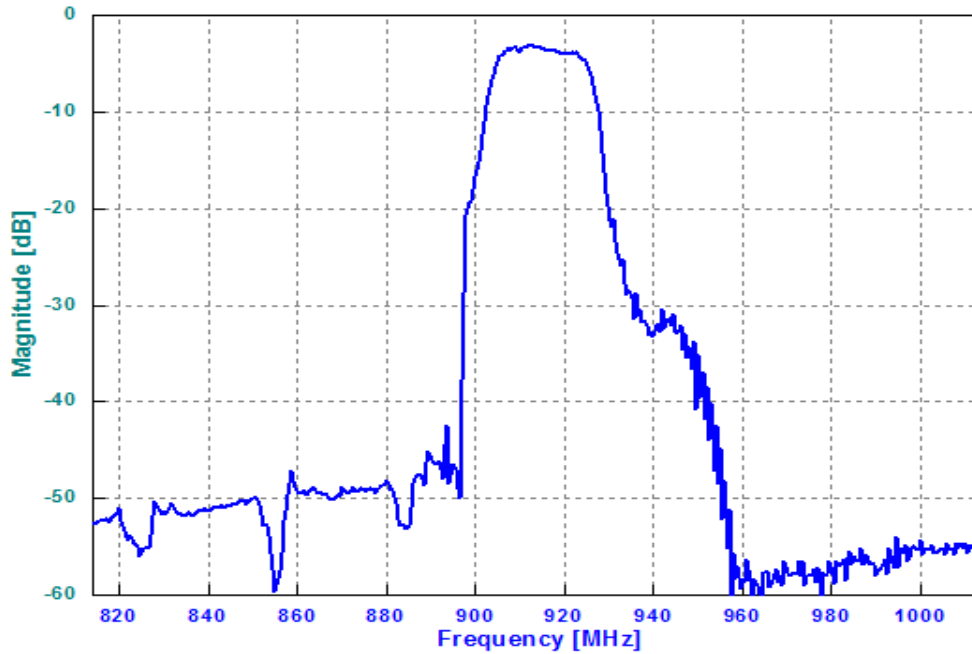
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	914.0	-
Insertion Loss within 910 ~ 918 MHz	dB	-	3.3	4.0
Amplitude Ripple within 910 ~ 918 MHz	dB _{p-p}	-	0.7	2.0
Attenuation:				
869 ~ 873 MHz	dB	40	48	-
891 ~ 894 MHz	dB	30	45	-
934 ~ 937 MHz	dB	18	28	-
955 ~ 960 MHz	dB	40	48	-
VSWR within 910 ~ 918 MHz	-	-	2.0	2.5

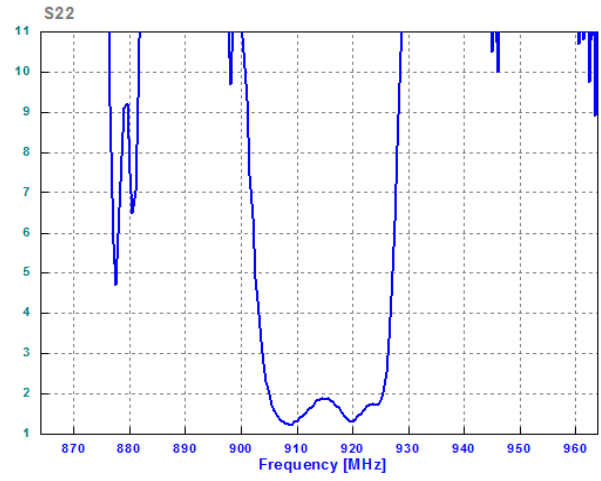
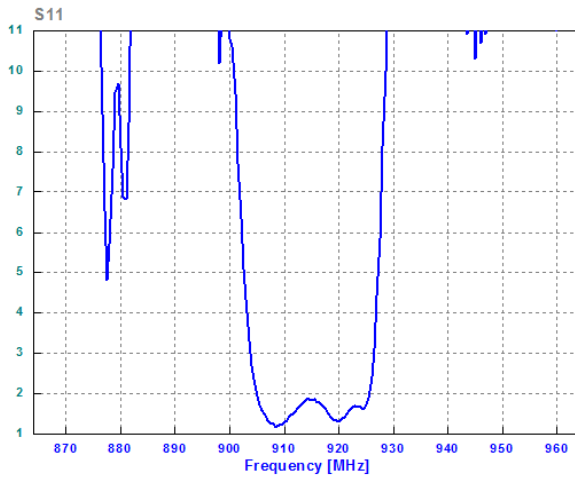


Frequency Performance





VSWR



Smith Chart

