



REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
802-RF902.5M-C	Wireless, 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

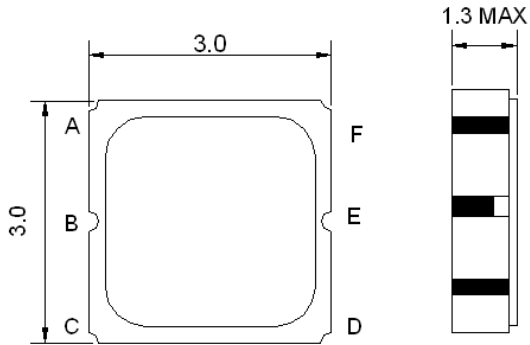
Notes

- 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)

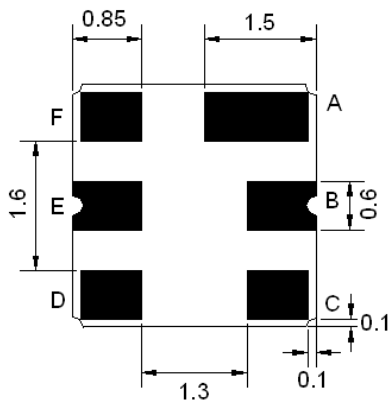




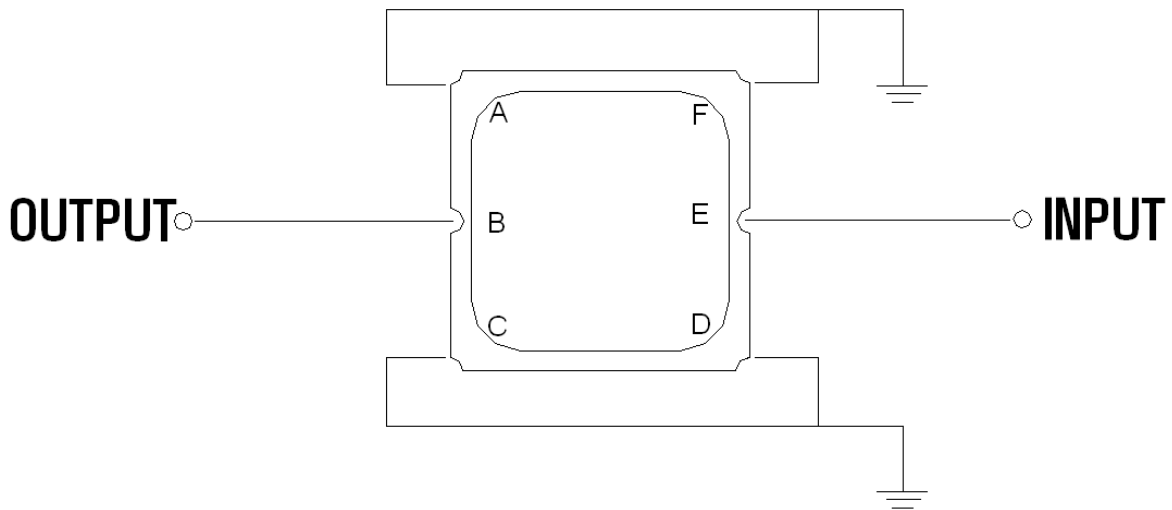
Mechanical Dimensions (mm)



Pin Description	
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	-	+65
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	-

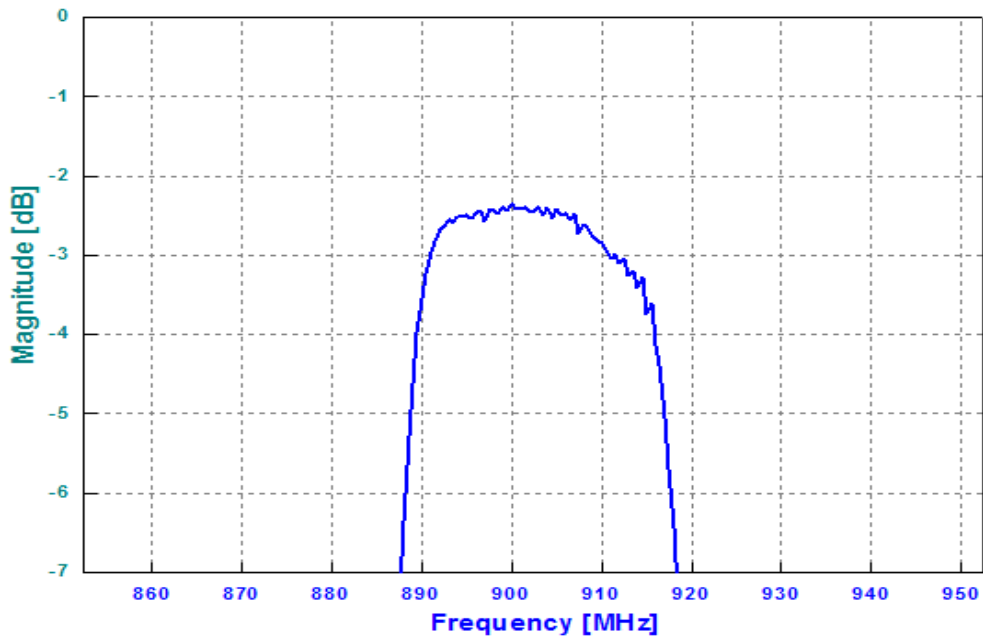
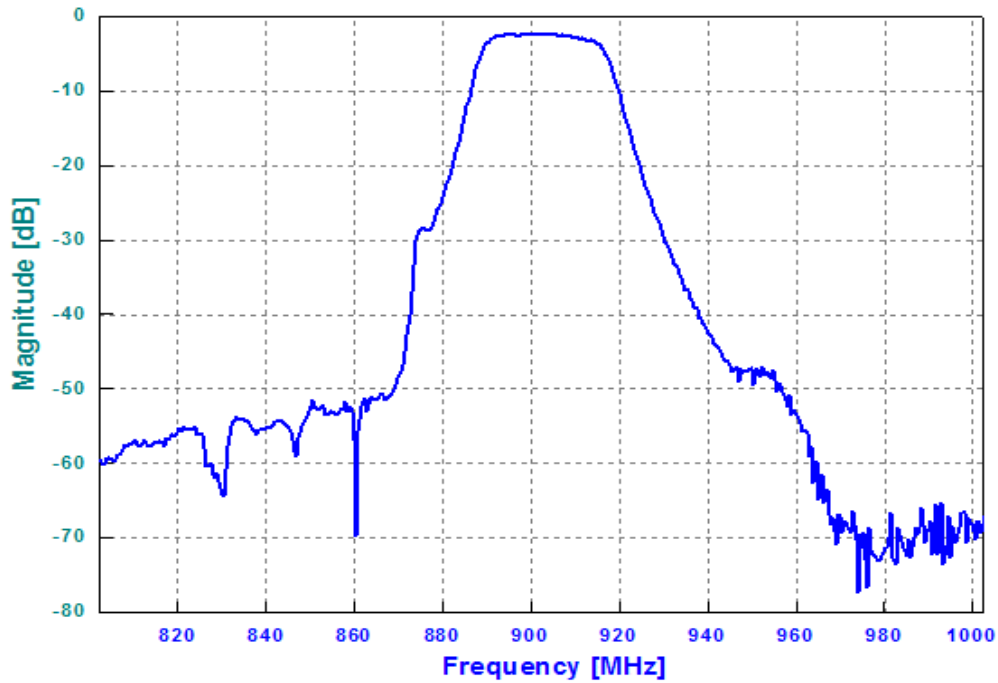
Notes: No Matching Network

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	902.5	-
Insertion Loss within 894 ~ 911 MHz	dB	-	2.7	3.5
Amplitude Ripple within 894 ~ 911 MHz	dB _{p-p}	-	0.6	1.5
Attenuation:				
Fo-200.0 ~ Fo-50.0 MHz	dB	50	57	-
Fo+42.8 ~ Fo+60.0 MHz	dB	42	47	-
Fo+60.0 ~ Fo+200.0 MHz	dB	50	57	-
VSWR within 894 ~ 911 MHz	-	-	1.6	2.0

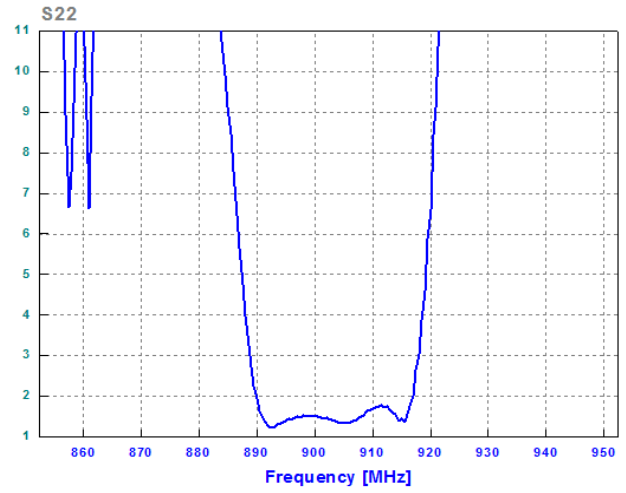
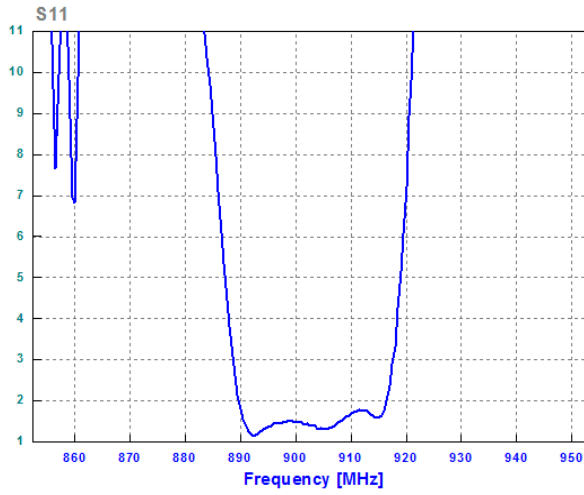


Frequency Performance





VSWR



Smith Chart

