



REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
803-RF470.0M-A	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

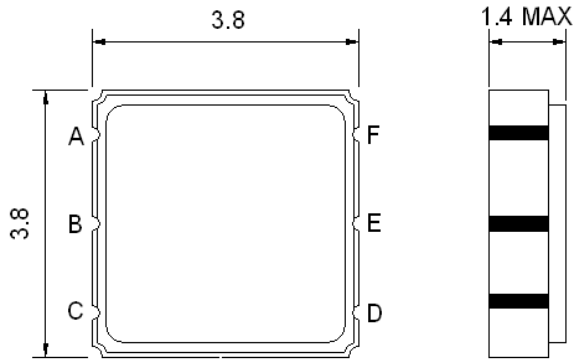
Notes

- 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)

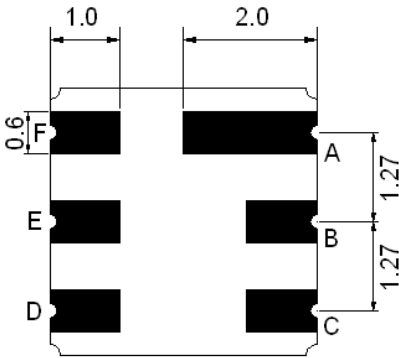




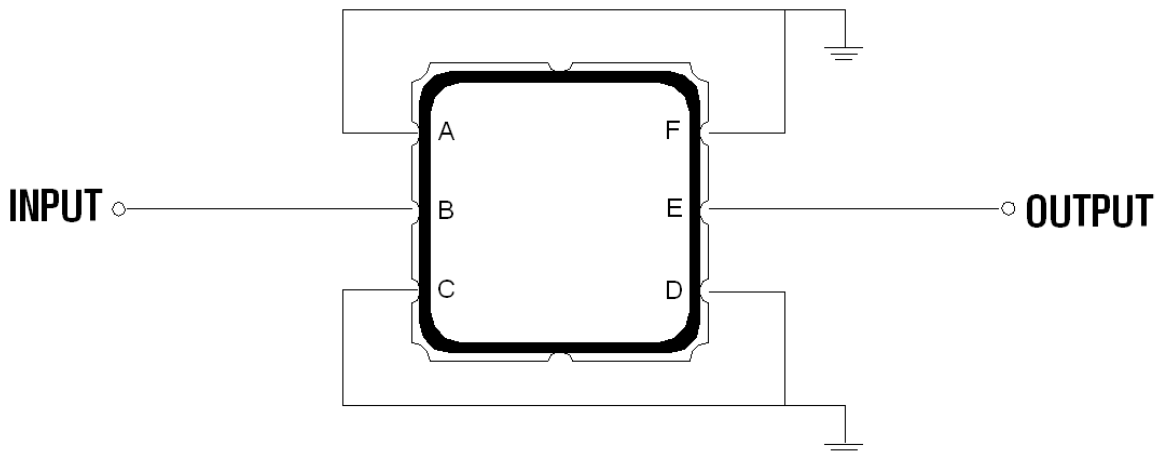
Mechanical Dimensions (mm)



Pin Description	
A, C, D, F	Ground
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	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-

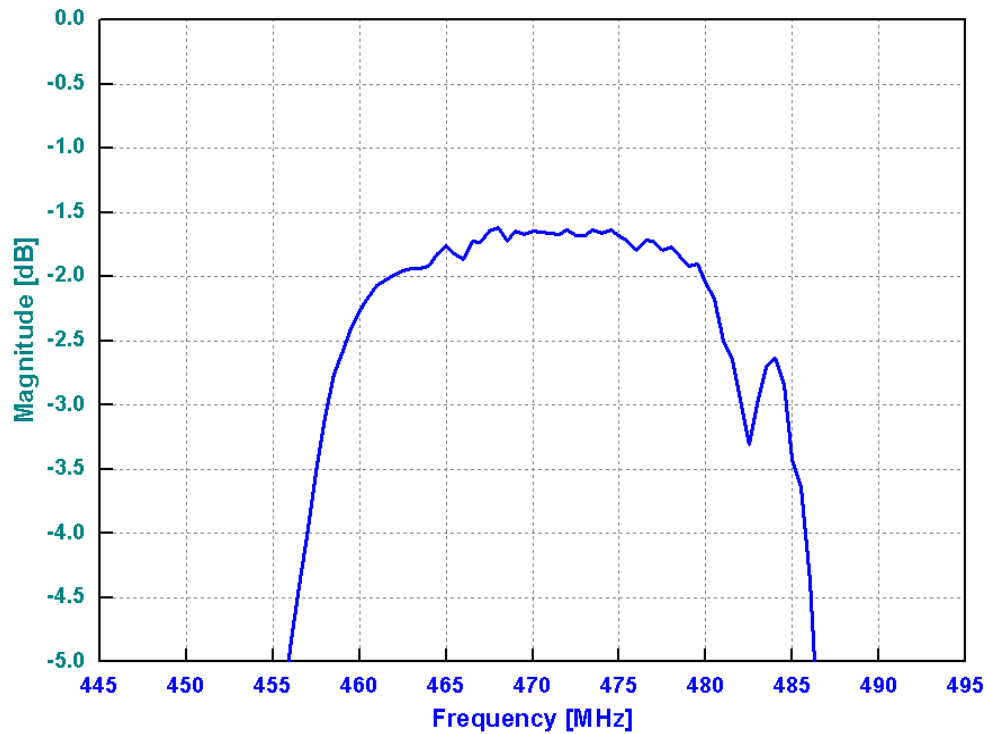
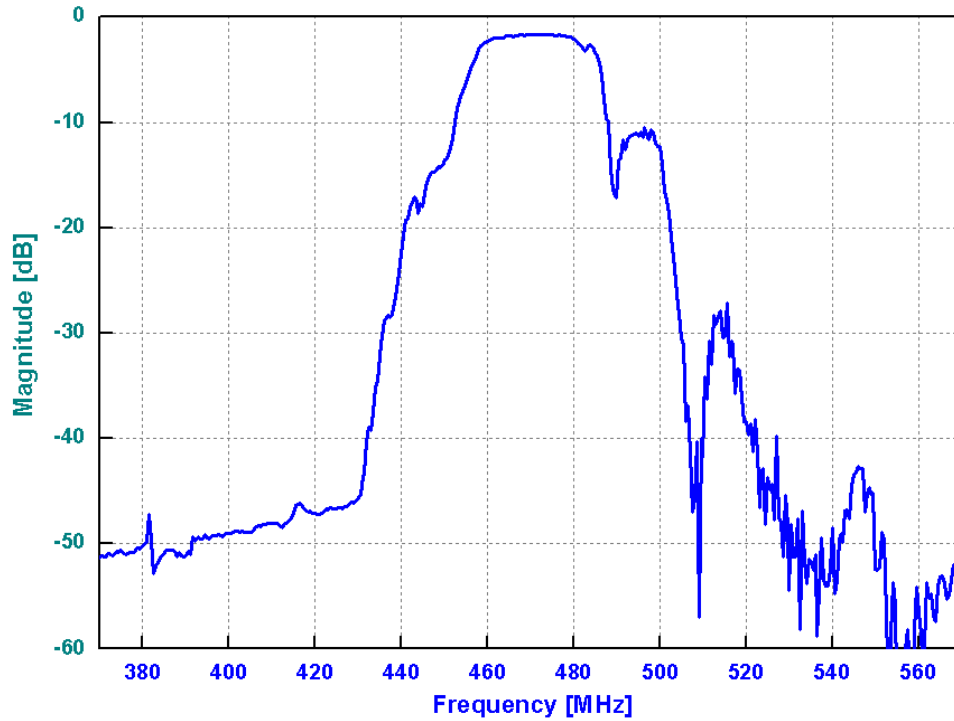
Notes: No Matching Network

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	470.0	-
Insertion Loss within 460.0 ~480.0 MHz	dB	-	2.3	4.0
Amplitude Ripple within 460.0 ~480.0 MHz	dB	-	0.7	2.0
Attenuation:				
400.0 ~ 420.0 MHz	dB	40	46	-
505.0 ~ 525.0 MHz	dB	20	30	-
550.0 ~ 570.0- MHz	dB	40	48	-
Return Loss within 460.0 ~ 480.0 MHz	dB	10	16	-

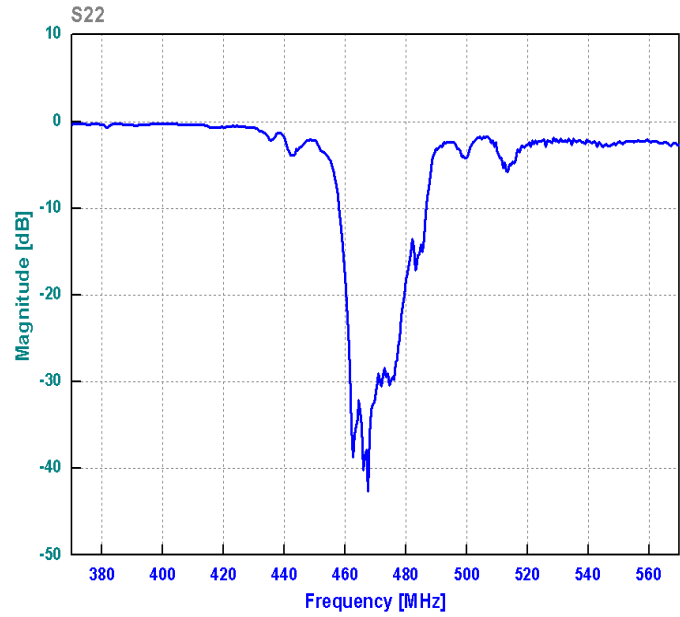
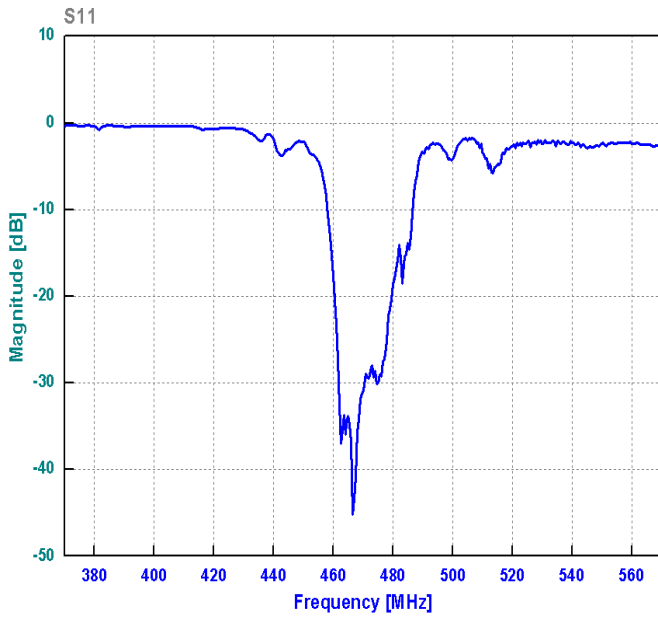


Frequency Performance





VSWR



Smith Chart

