

- Wireless, Balanced RF SAW Filter
- Revision 0: April 2014

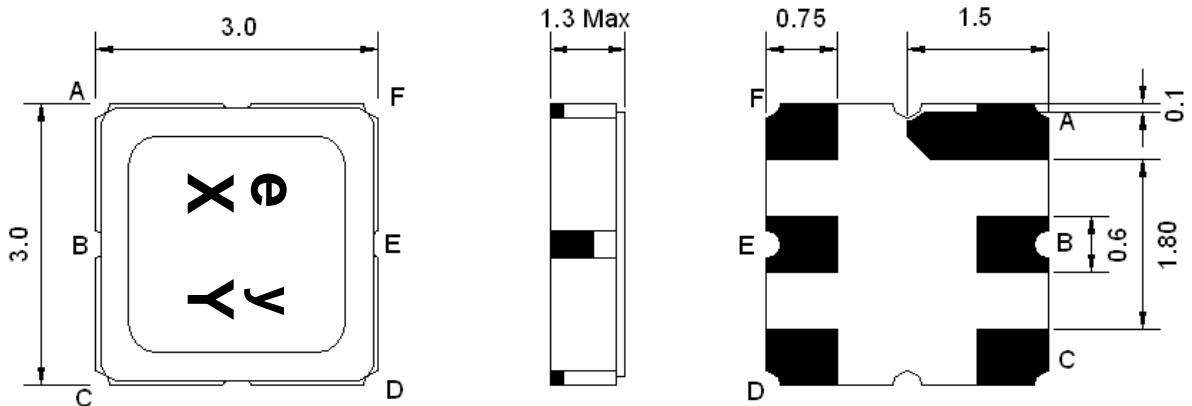
### Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-45	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (balanced) <sup>(1)</sup>	Ω	-	200	-
Package type & size	S23			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	869.0	-
Insertion Loss within 868.0 ~870.0 MHz	dB	-	2.2	3.0
Amplitude Ripple within 868.0 ~870.0 MHz	dB <sub>p-p</sub>	-	0.2	0.6
<b>Attenuation:</b>				
10.0 ~ 828.3 MHz	dB	35	51	-
908.3 ~ 1200.0 MHz	dB	35	52	-
VSWR(Input) within 868.0 ~870.0 MHz	-	-	1.6	2.0
VSWR(Output) within 868.0 ~870.0 MHz	-	-	1.4	2.0

**Notes:** (1) No Matching Network

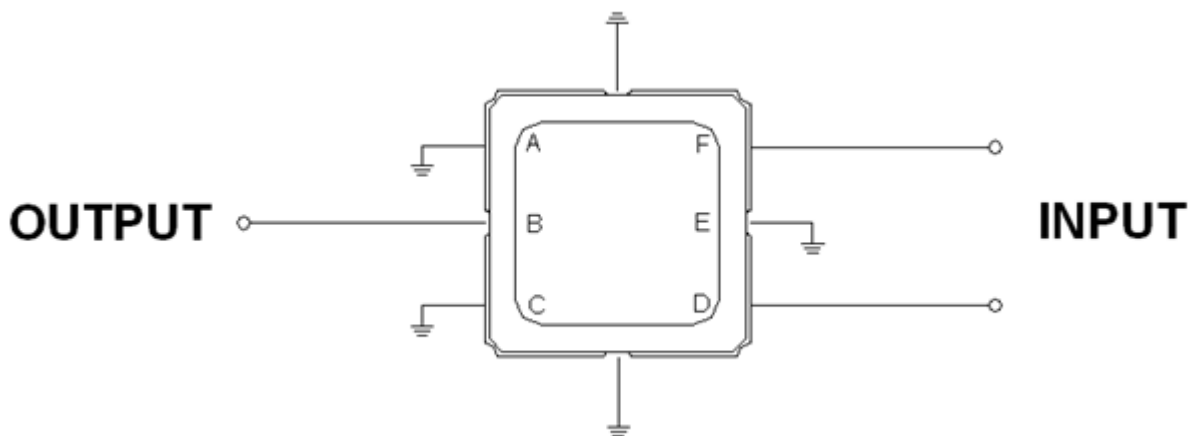
## Package Dimensions



Marking Descriptions	
e	Wireless Application
y	Series Number
X	Date Code (Year)
Y	Date Code (Month)

Pin Description	
A, C, E	Ground
B	Input
D, F	Balanced Output

## Testing Environment

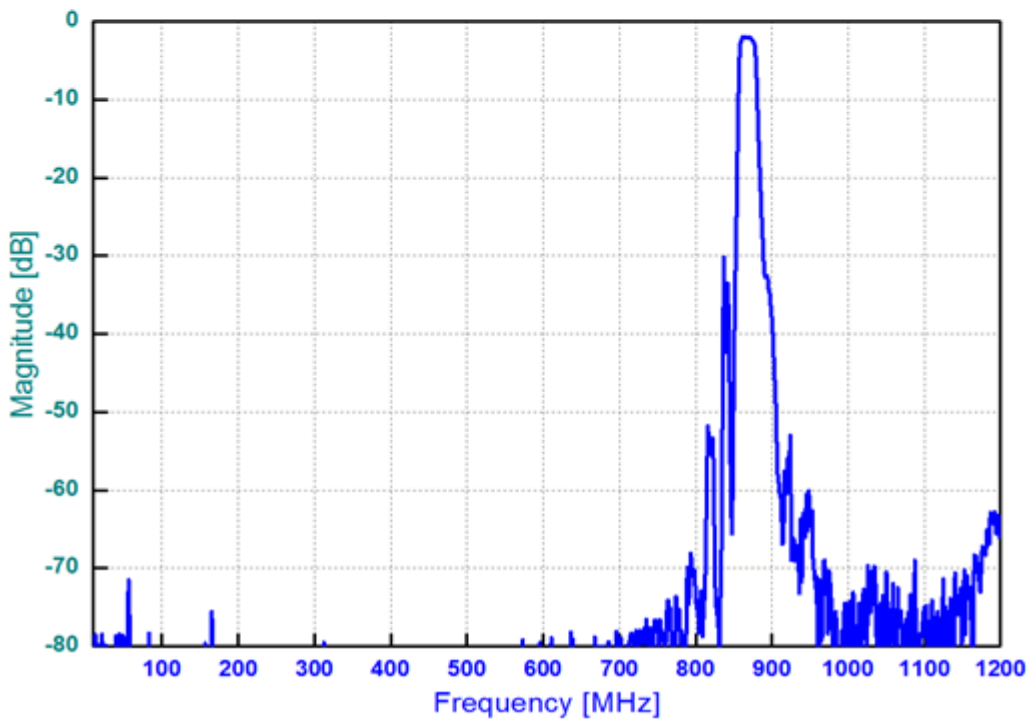
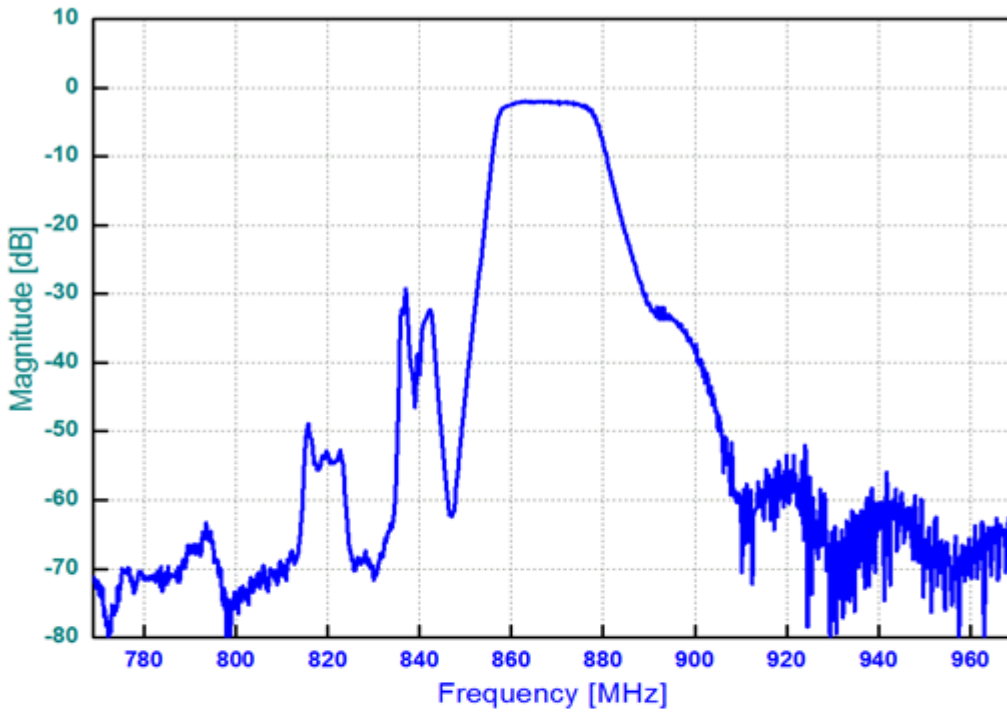


Source Impedance: 50  $\Omega$

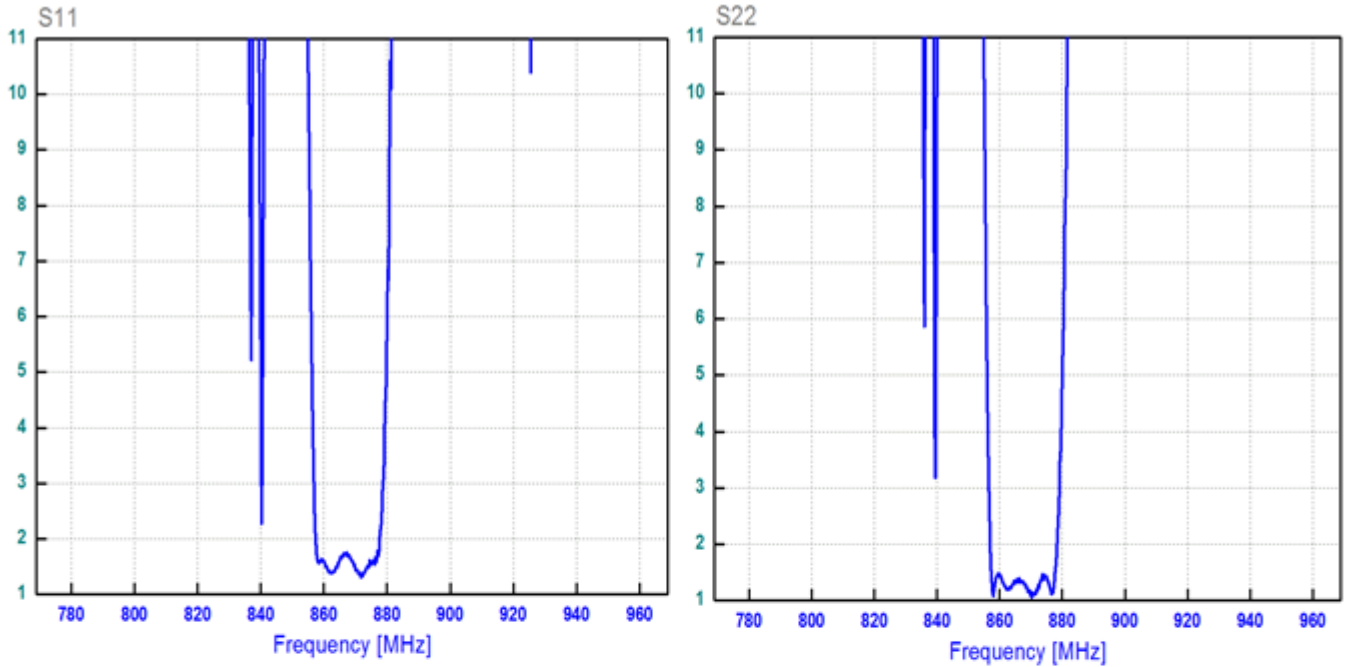
Load Impedance: 200  $\Omega$

**Frequency Characteristics**

**Frequency Response**



**VSWR**



**Smith Chart**

