

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

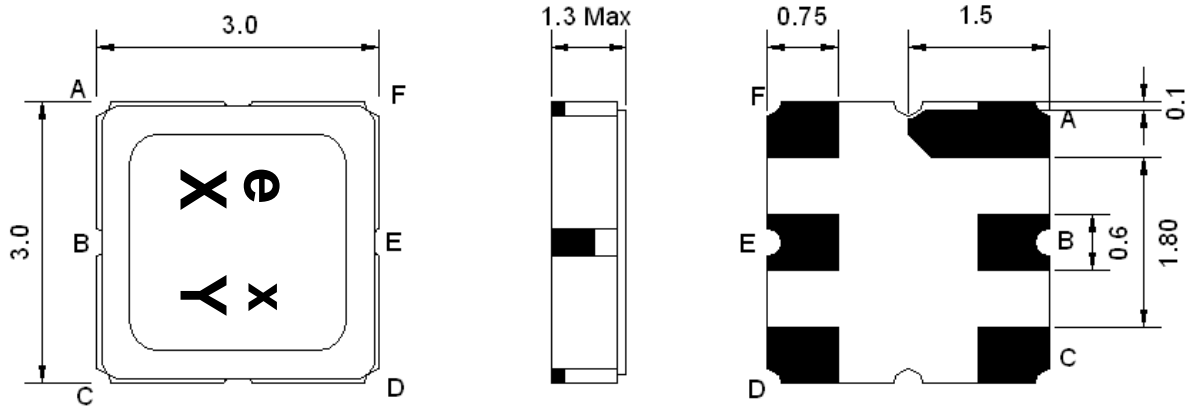
## Electrical Characteristics

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	-	315.0	-
Insertion Loss within 314.5 ~315.5 MHz	dB	-	2.6	3.2
Amplitude Ripple within 314.5 ~ 315.5 MHz	dB <sub>p-p</sub>	-	0.4	0.9
<b>Attenuation:</b>				
10.0 ~ 225.0 MHz	dB	50	65	-
225.0 ~ 285.0 MHz	dB	45	55	-
285.0 ~ 305.0 MHz	dB	30	47	-
330.0 ~ 350.0 MHz	dB	30	42	-
350.0 ~ 450.0 MHz	dB	35	42	-
450.0 ~1000.0 MHz	dB	40	53	-
VSWR(Input) within 314.5 ~ 315.5 MHz	-	-	1.4	2.0
VSWR(Output) within 314.5 ~ 315.5 MHz	-	-	1.4	2.0

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

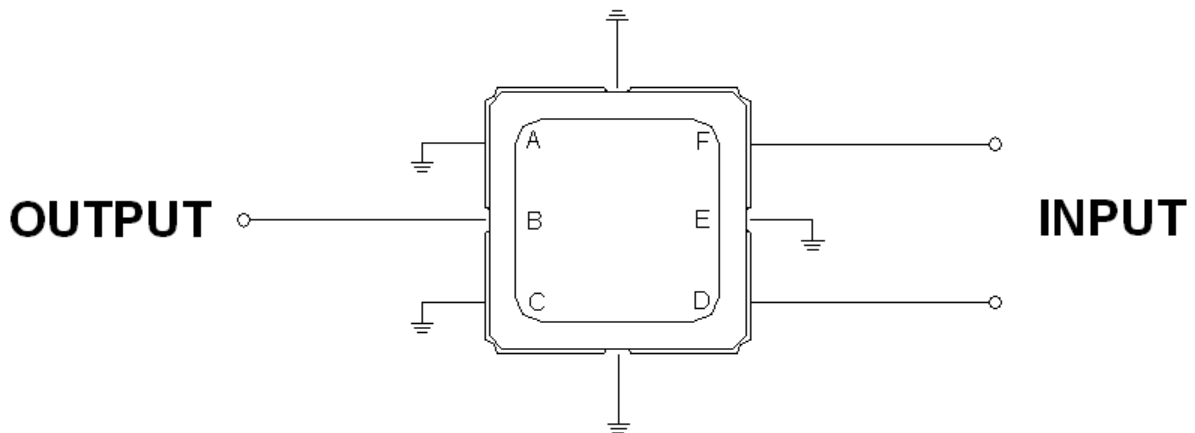
## Package Dimensions



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

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

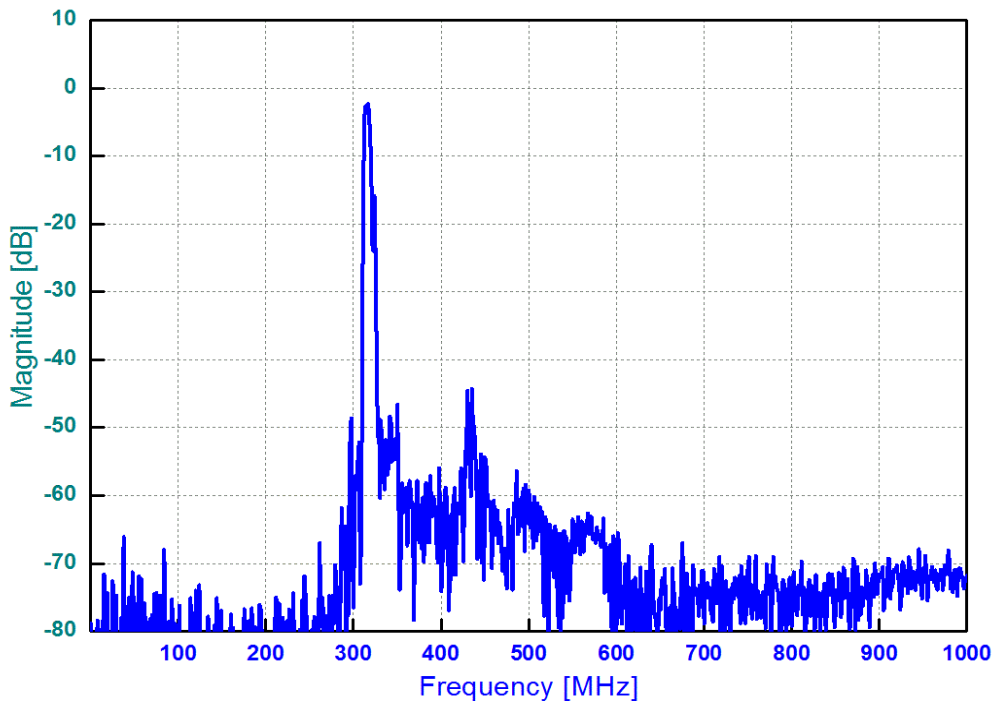
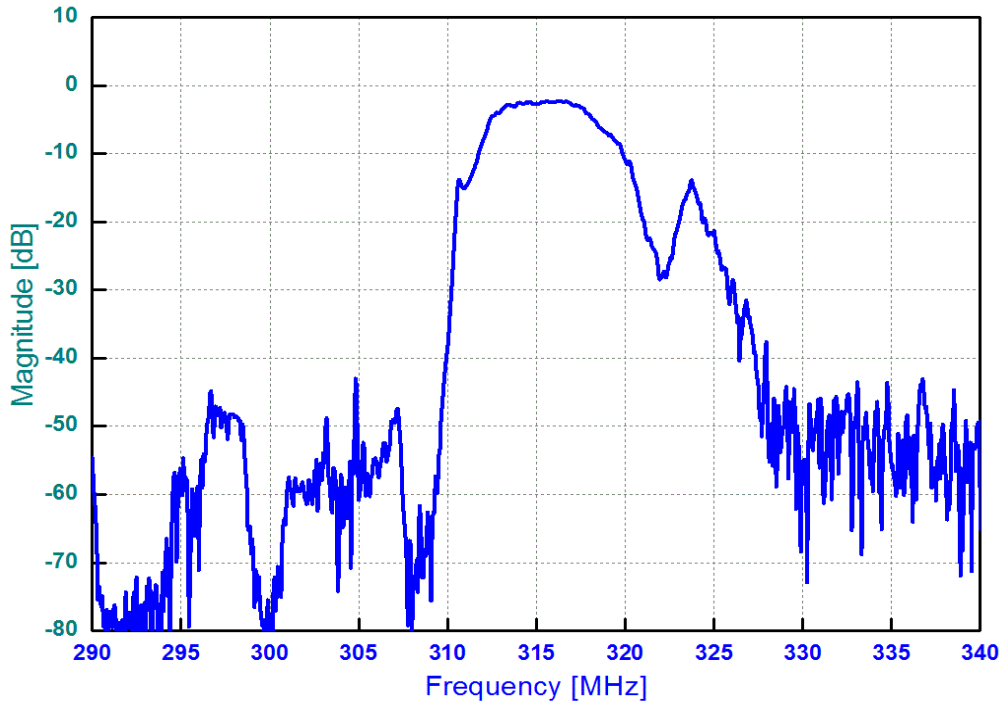
## Testing Environment



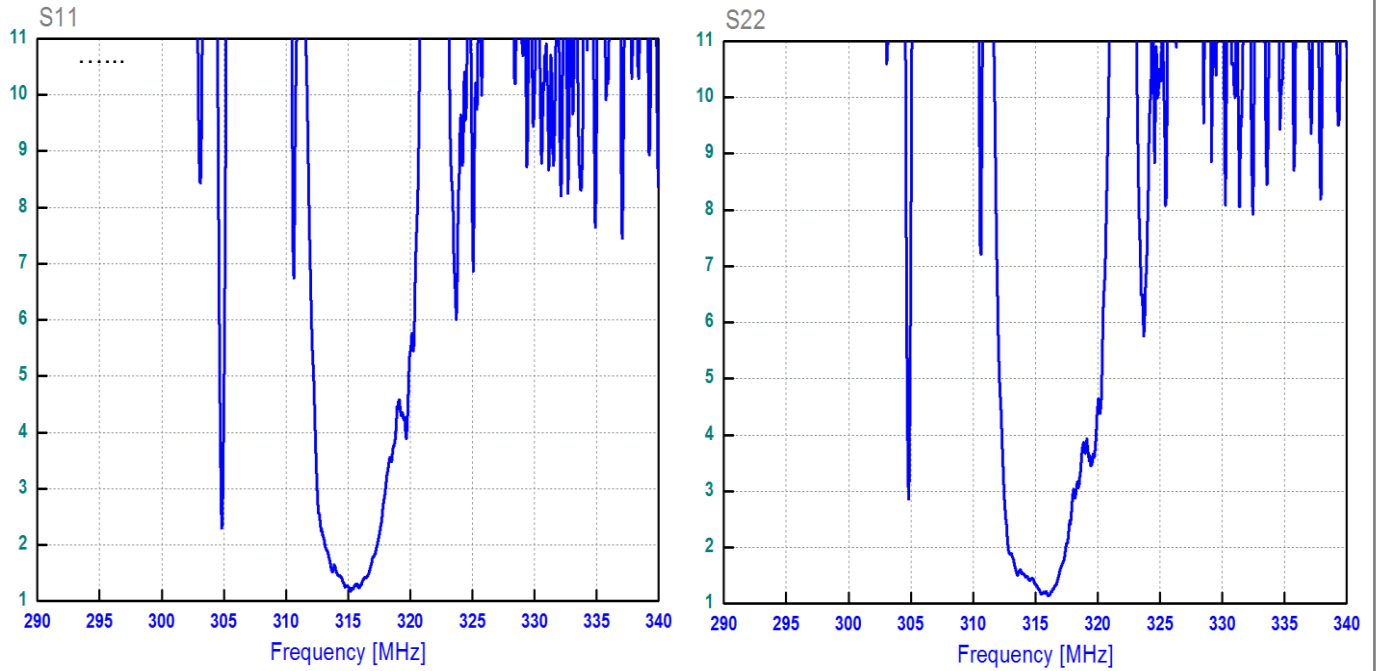
Source Impedance : 50  $\Omega$   
 Load Impedance : 200  $\Omega$

## Frequency Characteristics

Frequency Response



### VSWR



### Smith Chart

