

- Wireless, RF SAW Filter
- Revision 0: April 2011

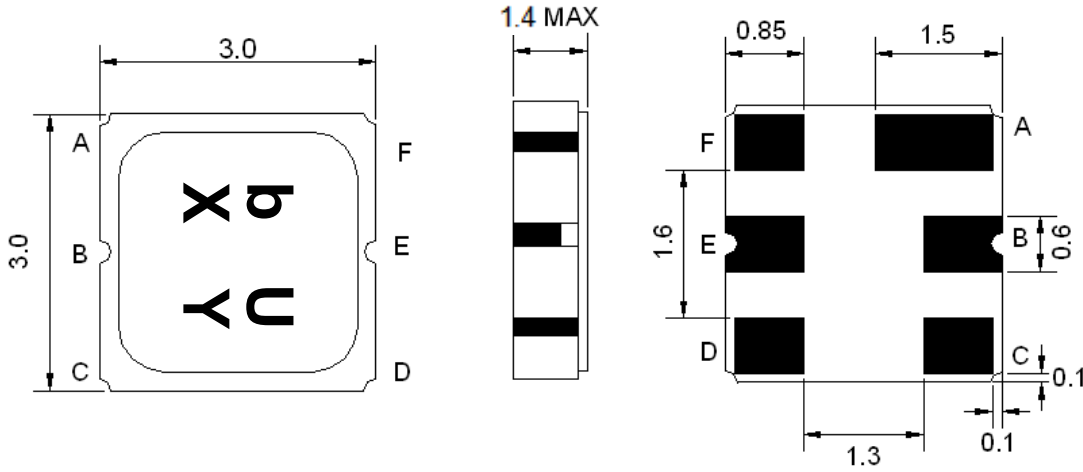
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	0	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	M			
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	-	1437.9	-
Insertion Loss within 1427.9 ~ 1447.9 MHz	dB	-	3.0	4.5
Amplitude Ripple within 1427.9 ~ 1447.9 MHz	dB <sub>p-p</sub>	-	0.3	1.5
Return Loss within 1427.9 ~ 1447.9 MHz	dB	10	12	-
<b>Attenuation:</b>				
1287.9 ~ 1307.9 MHz	dB	45	50	-
1620.0 ~ 3000.0 MHz	dB	20	22	-
20.0 ~ 1200.0 MHz	dB	45	55	-
1497.9 ~ 1517.9 MHz	dB	25	40	-
1357.9 ~ 1377.9 MHz	dB	40	45	-
1475.9 ~ 1495.9 MHz	dB	10	20	-

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

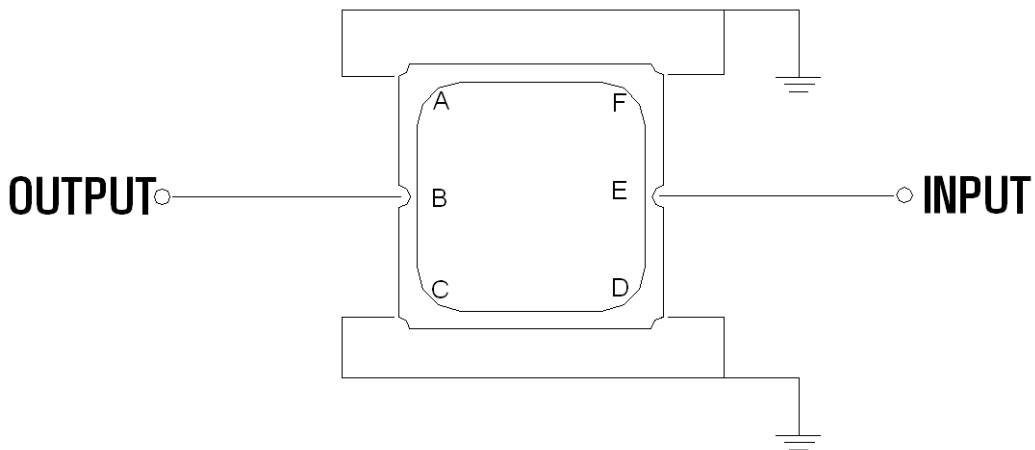
## Package Dimensions



Marking Descriptions	
b	Wireless Application
U	Series Number
X	Date Code (Year)
Y	Date Code (Month)

Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

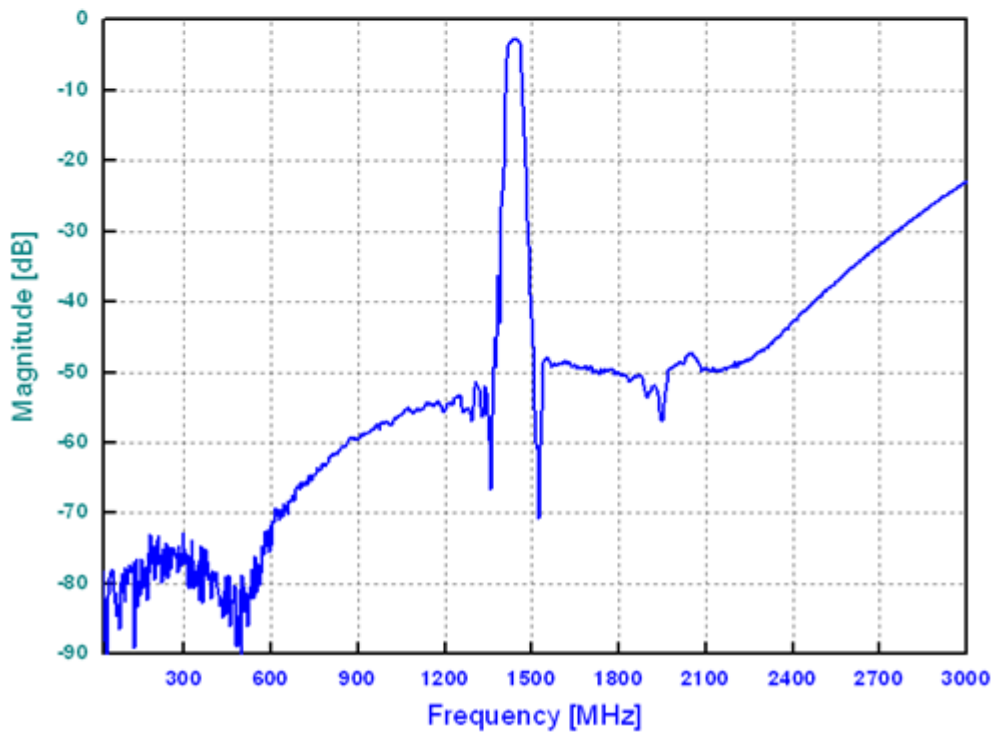
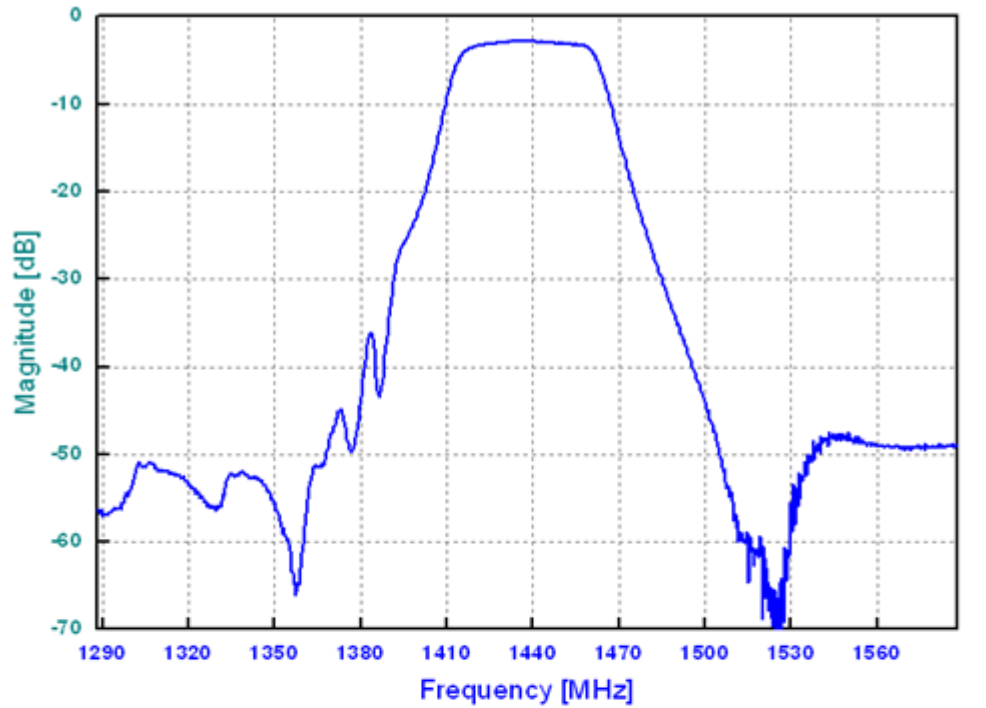
## Testing Environment



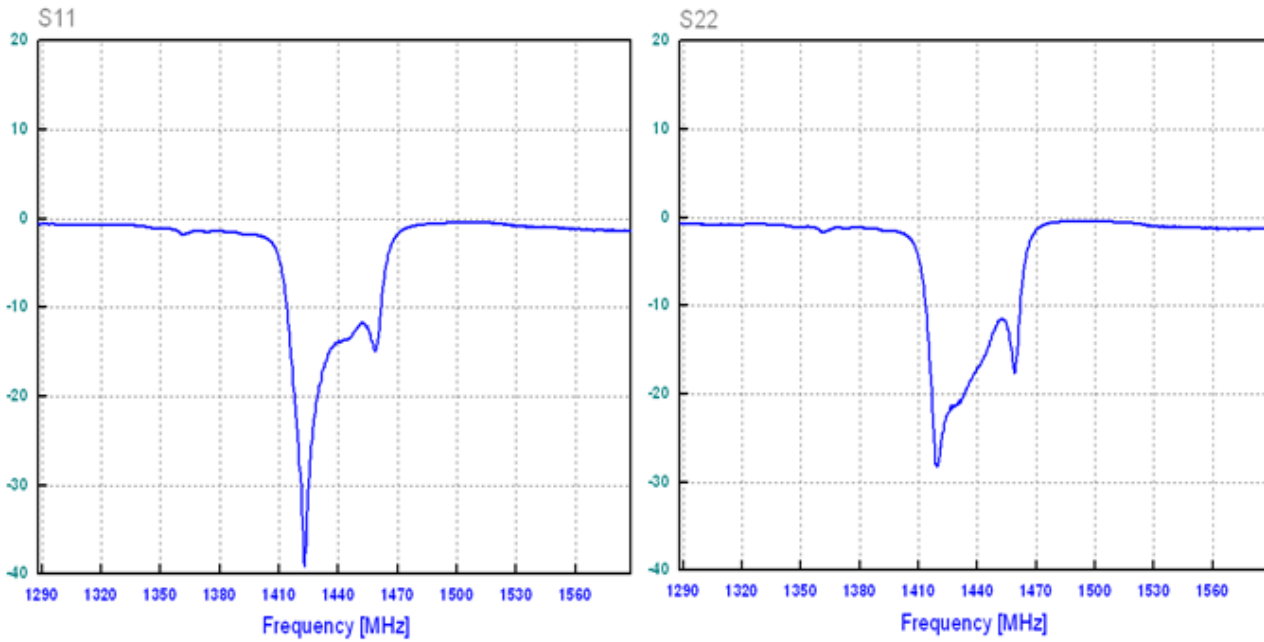
Source & Load Impedance: 50  $\Omega$

## Frequency Characteristics

Frequency Response



### Return Loss



### Smith Chart

