

- Wireless, RF SAW Filter
- Revision 1: March 2012

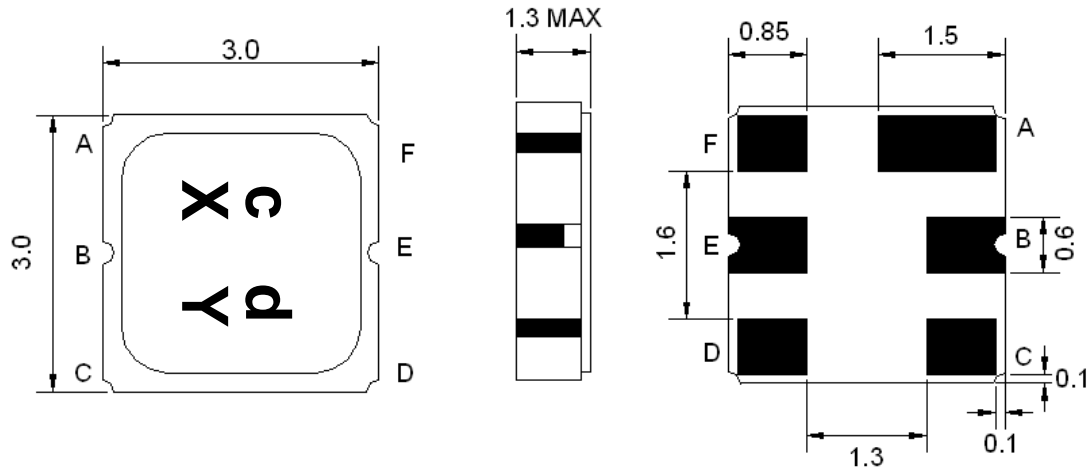
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-5	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
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	-	822.5	-
Insertion Loss within 815.0 ~ 830.0MHz	dB	-	1.1	2.5
Amplitude Ripple within 815.0 ~ 830.0MHz	dB <sub>p-p</sub>	-	0.6	1.5
<b>Attenuation:</b>				
800.0 MHz	dB	10	37	-
845.0 MHz	dB	1	28	-
860.0 ~ 875.0 MHz	dB	28	45	-
2nd Harmonic	dB	25	30	-
3rd Harmonic	dB	30	40	-
VSWR within 815.0~830.0MHz	-	-	1.5	2.2

**Notes:** (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

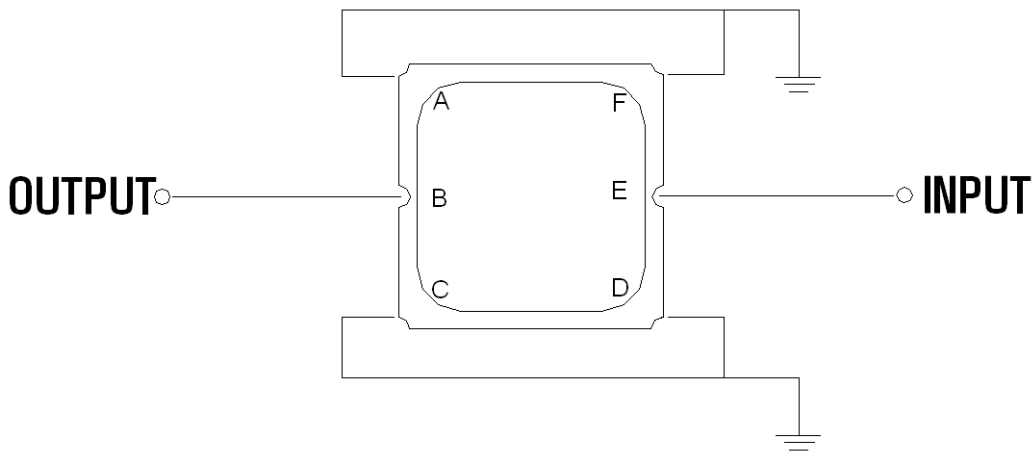
## Package Dimensions



Marking Descriptions	
c	Wireless Application
d	Series Number
X	Date Code (Year)
Y	Date Code (Month)

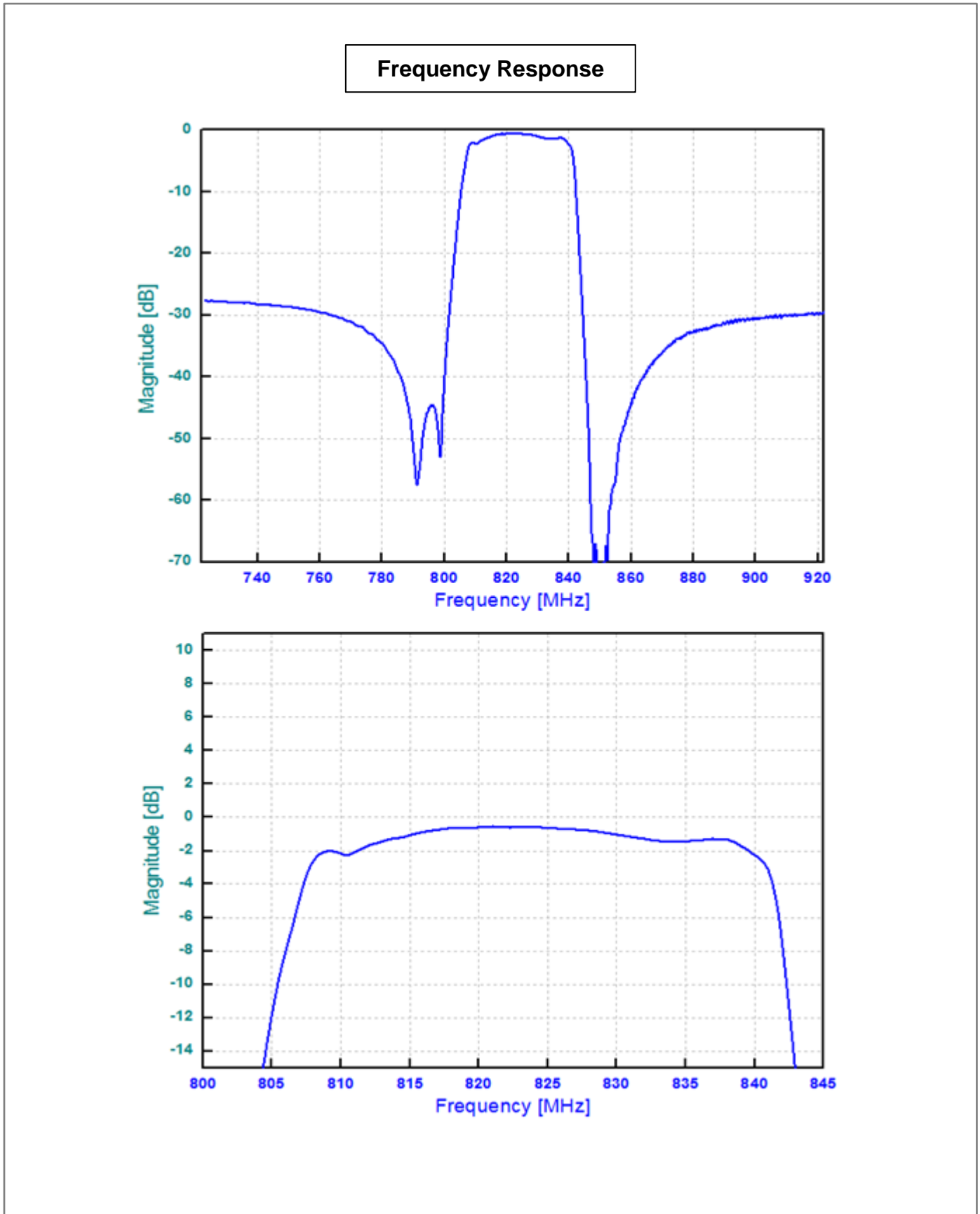
Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

## Testing Environment

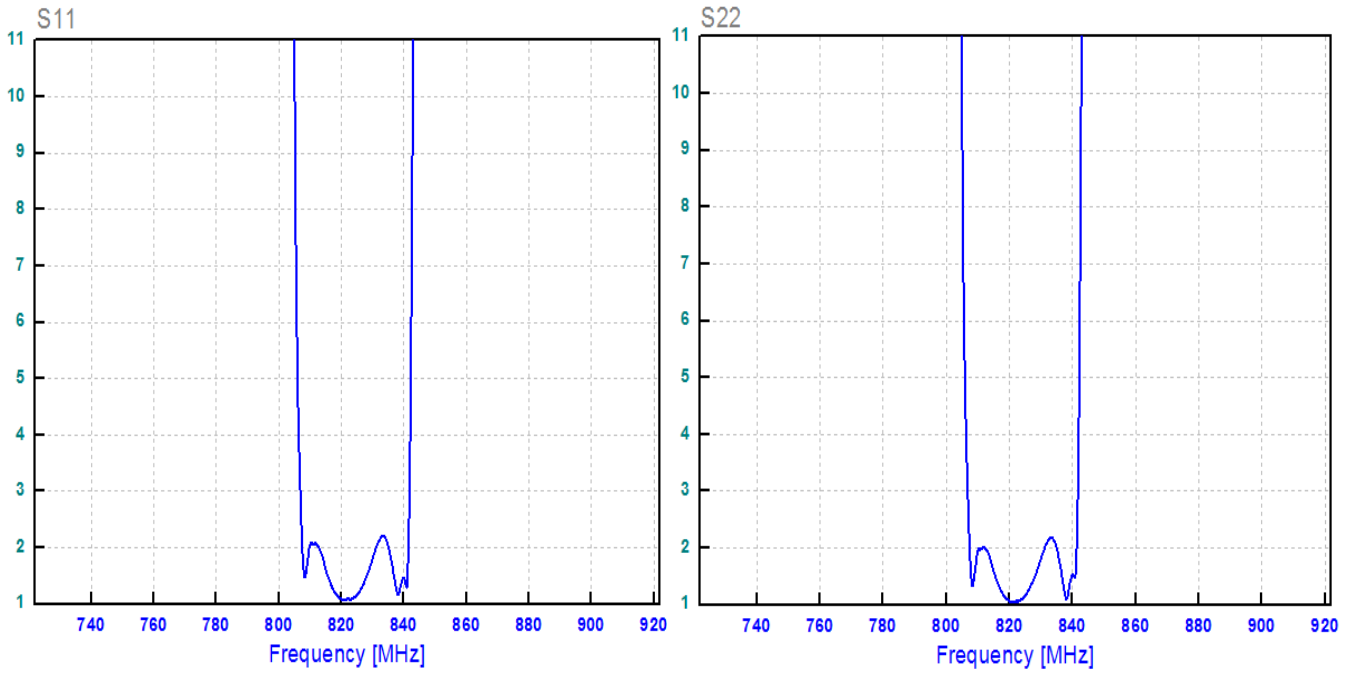


Source & Load Impedance: 50  $\Omega$

## Frequency Characteristics



### VSWR



### Smith Chart

