

- Wireless, RF SAW Filter
- Revision 0: July 2013

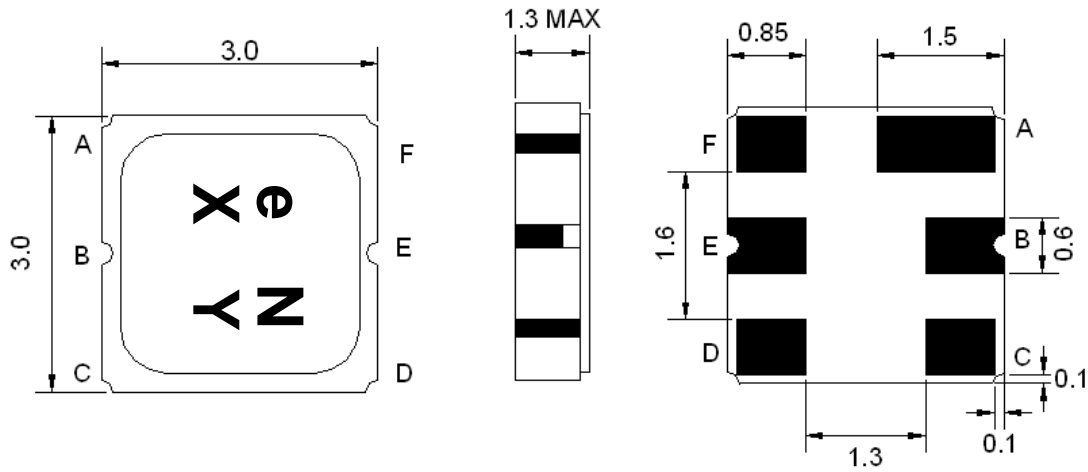
## Electrical Characteristics

MAXIMUM RATINGS				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-20	-	+85
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	S20			
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	-	2255.0	-
Insertion Loss within 2237.5 ~ 2272.5 MHz	dB	-	1.7	3.0
Amplitude Ripple within 2237.5 ~ 2272.5 MHz	dB <sub>p-p</sub>	-	0.5	2.0
Group Delay Ripple within 2237.5 ~ 2272.5 MHz	ns <sub>p-p</sub>	-	3	20
<b>Attenuation:</b>				
D.C ~ 2155.0(Fo-100.0) MHz	dB	30	37	-
2155.0(Fo-100.0) ~ 2195.0(Fo-60.0) MHz	dB	15	24	-
2315.0(Fo+60.0) ~ 2355.0(Fo+100.0) MHz	dB	15	41	-
2355.0(Fo+100.0) ~ 3000.0 MHz	dB	35	45	-
VSWR within 2237.5 ~ 2272.5 MHz	-	-	1.5	2.0

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

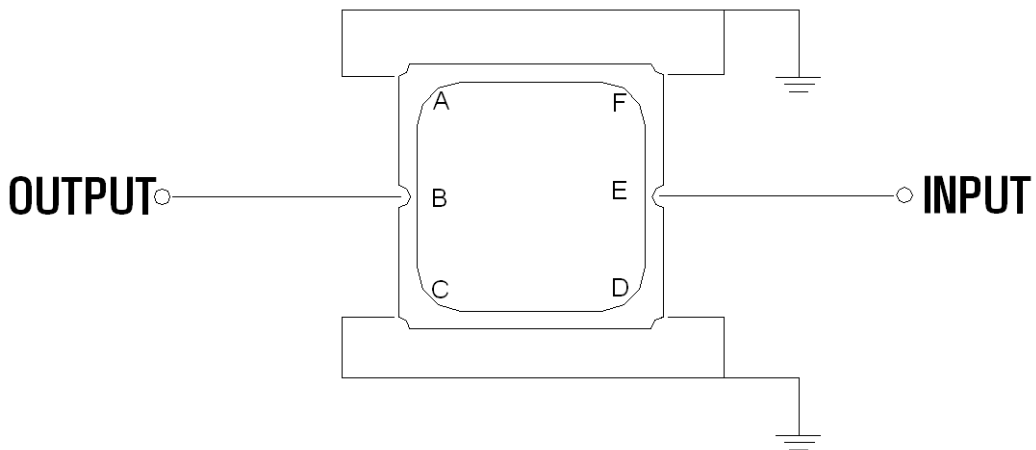
## Package Dimensions



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

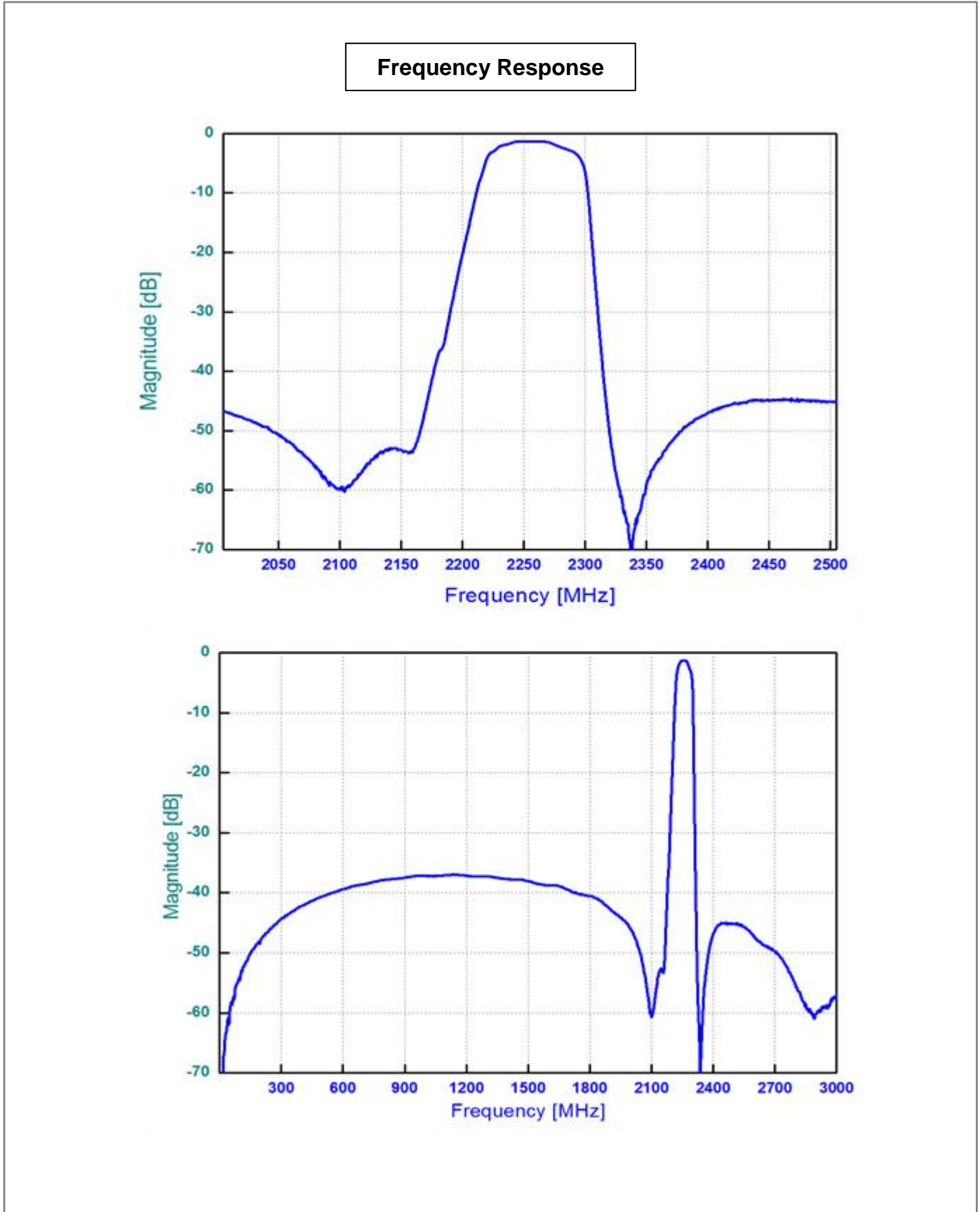
Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

## Testing Environment

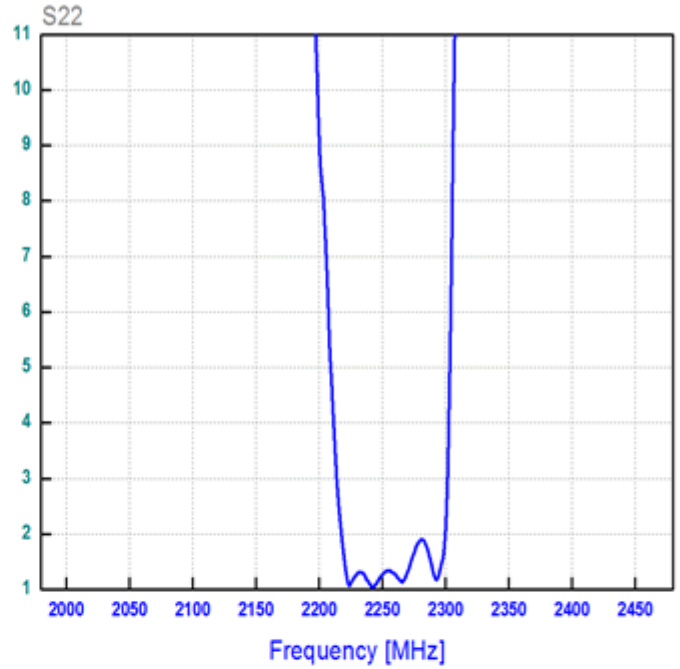
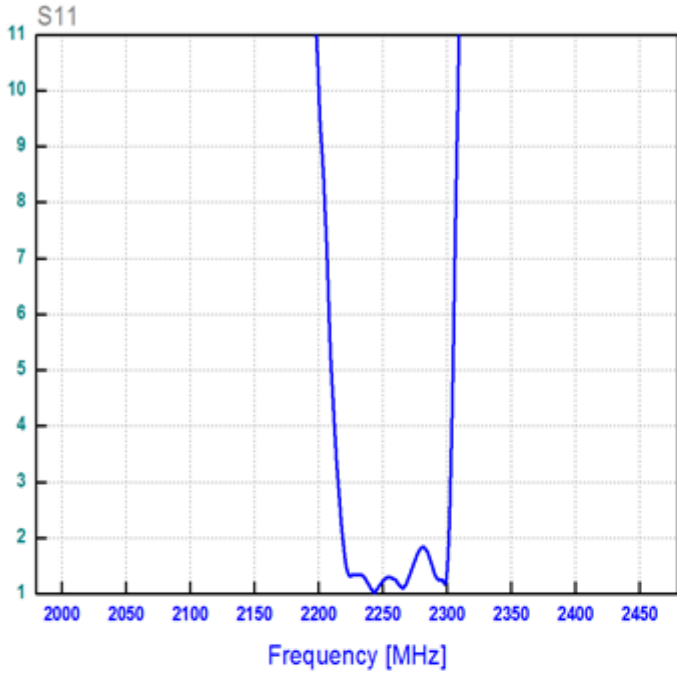


Source & Load Impedance: 50  $\Omega$

## Frequency Characteristics



**VSWR**



**Smith Chart**

