

- Wireless, RF SAW Filter
- Revision 0: March 2010

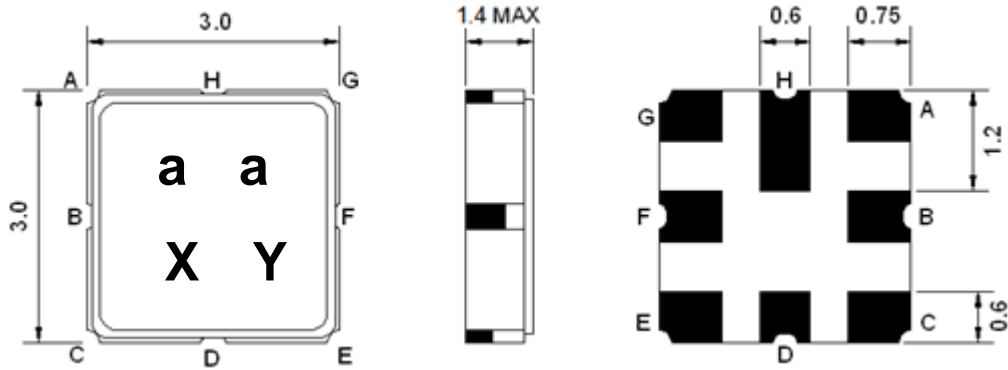
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-25	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (balanced ended) <sup>(1)</sup>	Ω	-	100	-
Load Impedance (balanced ended) <sup>(1)</sup>	Ω	-	100	-
Package type & size	M1			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.4

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1330.0	-
Insertion Loss within 1326.0 ~ 1334.0 MHz	dB	-	3.2	4.5
Amplitude Ripple within 1326.0 ~ 1334.0 MHz	dB <sub>p-p</sub>	-	0.5	2.0
Absolute Group delay at Fo	ns	-	34	60
Group delay variation within 1326.0 ~ 1334MHz	ns <sub>p-p</sub>	-	8	35
Phase variation within 1326.0 ~ 1334MHz	Deg	-	4	25
<b>Attenuation:</b>				
Fo -30 MHz	dB	8	29	-
Fo +30MHz	dB	7	18	-
Fo -60 MHz	dB	30	52	-
Fo +60 MHz	dB	30	38	-
Fo -140 MHz	dB	30	47	-
Fo +140 MHz	dB	30	42	-
Fo -250 MHz	dB	35	44	-
Fo +250MHz	dB	35	44	-

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

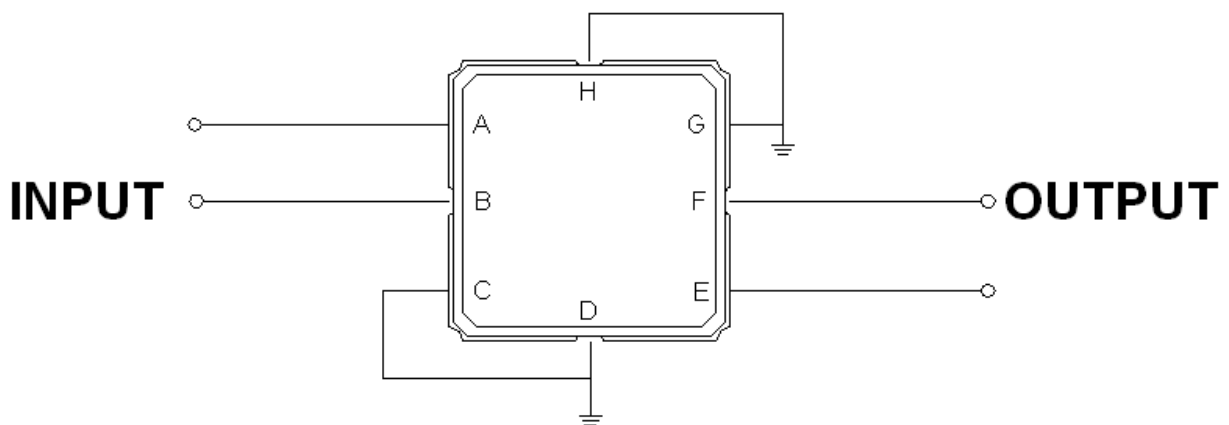
## Package Dimensions



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

Pin Description	
C, D, G, H	Ground
A, B	Balanced In
E, F	Balanced Out

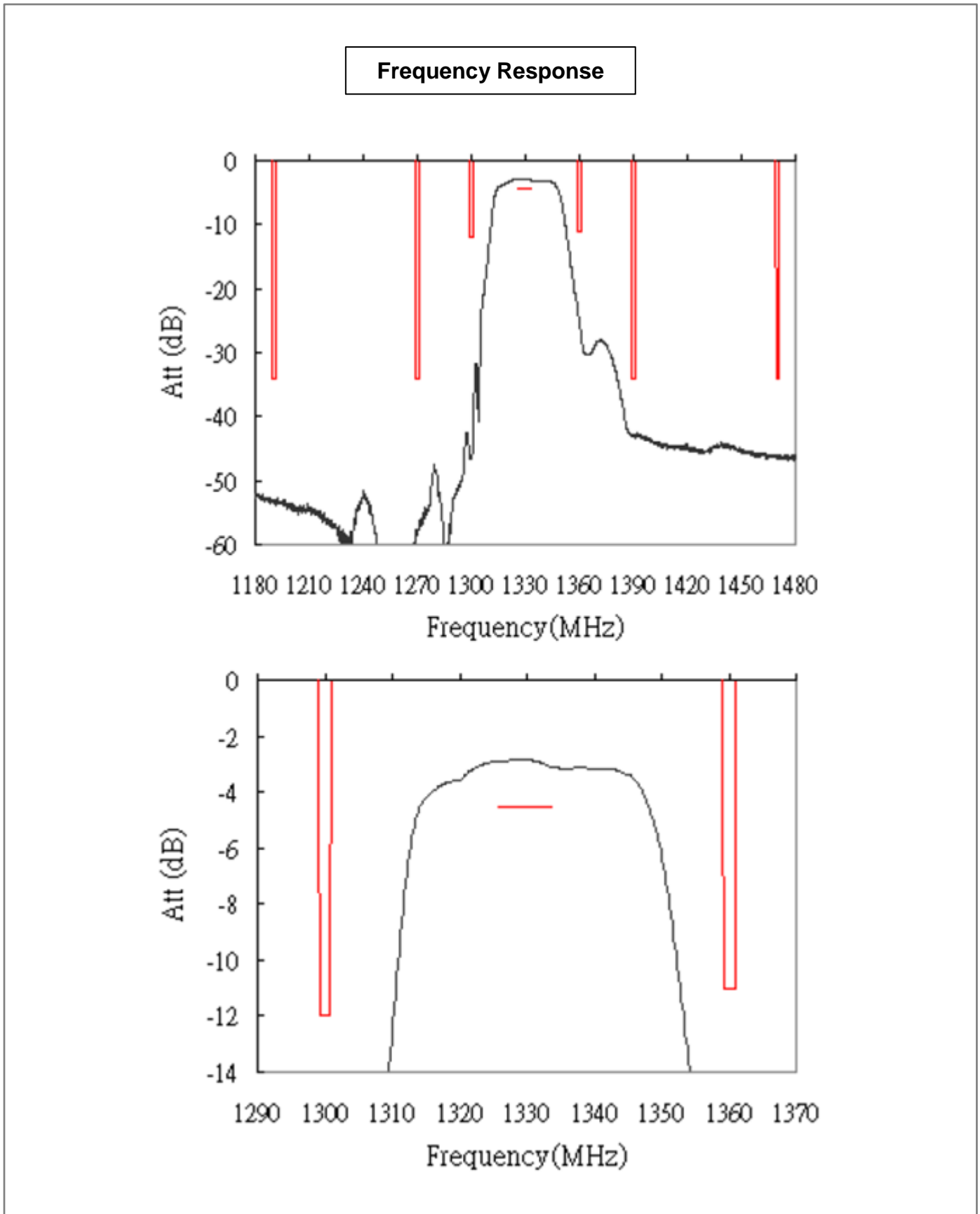
## Testing Environment



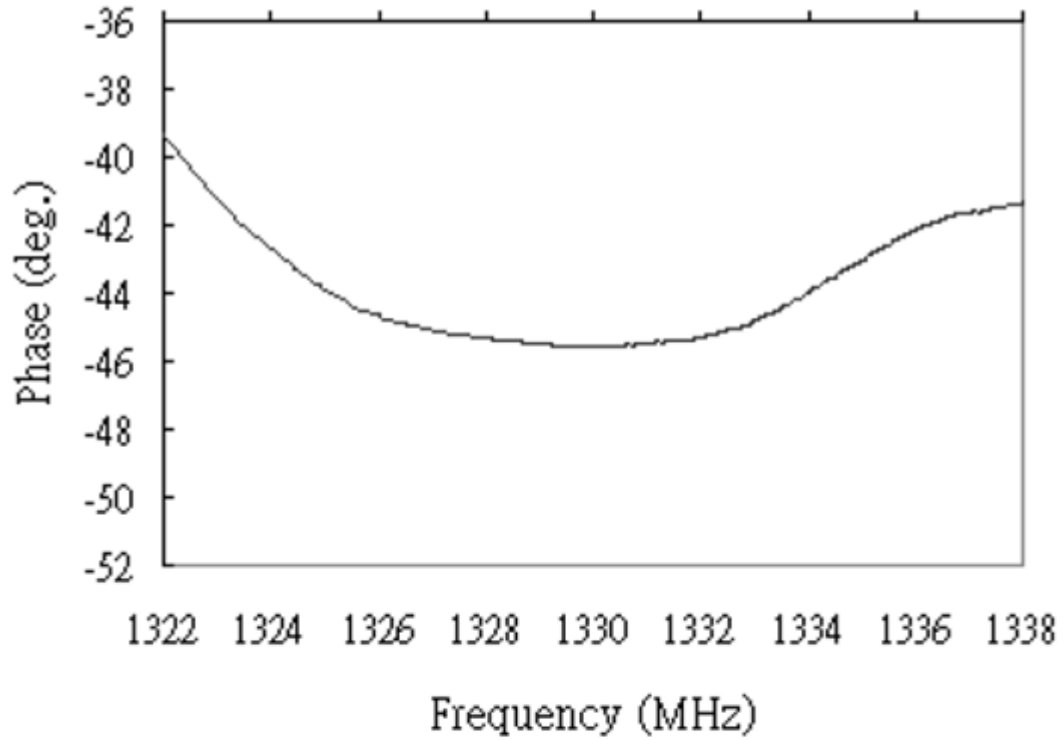
Source Impedance: 100  $\Omega$

Load Impedance: 100  $\Omega$

## Frequency Characteristics



**Phase Variation**



**Group delay**

