

- GPS, RF SAW Filter
- Revision 0: May 2008

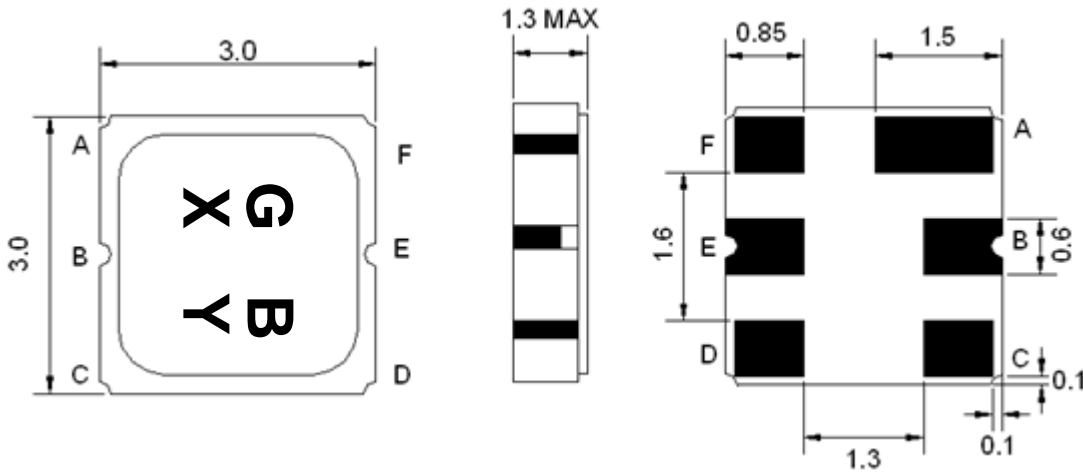
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
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	-	1575.42	-
Insertion Loss within 1575.17~1575.67MHz	dB	-	0.65	0.95
Amplitude Ripple within 1575.17~1575.67MHz	dB <sub>p-p</sub>	-	0.05	0.3
<b>Attenuation:</b>				
500.0 ~ 894.0 MHz	dB	20	25	-
894.0 ~ 1500.0 MHz	dB	21	27	-
1650.0 ~ 2000.0 MHz	dB	25	29	-
2000.0 ~ 4000.0 MHz	dB	17	23	-
VSWR within 1575.17~1575.67MHz	-	-	1.15	1.6

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

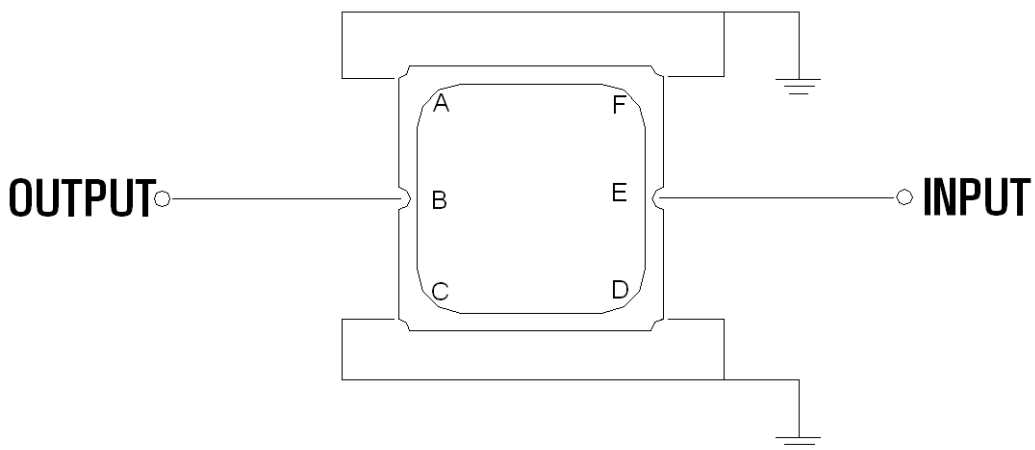
## Package Dimensions



Marking Descriptions	
G	GPS Application
B	Series Number
X	Date Code (Year)
Y	Date Code (Month)

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

## Testing Environment



Source & Load Impedance: 50  $\Omega$

## Frequency Characteristics

Frequency Response

