

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

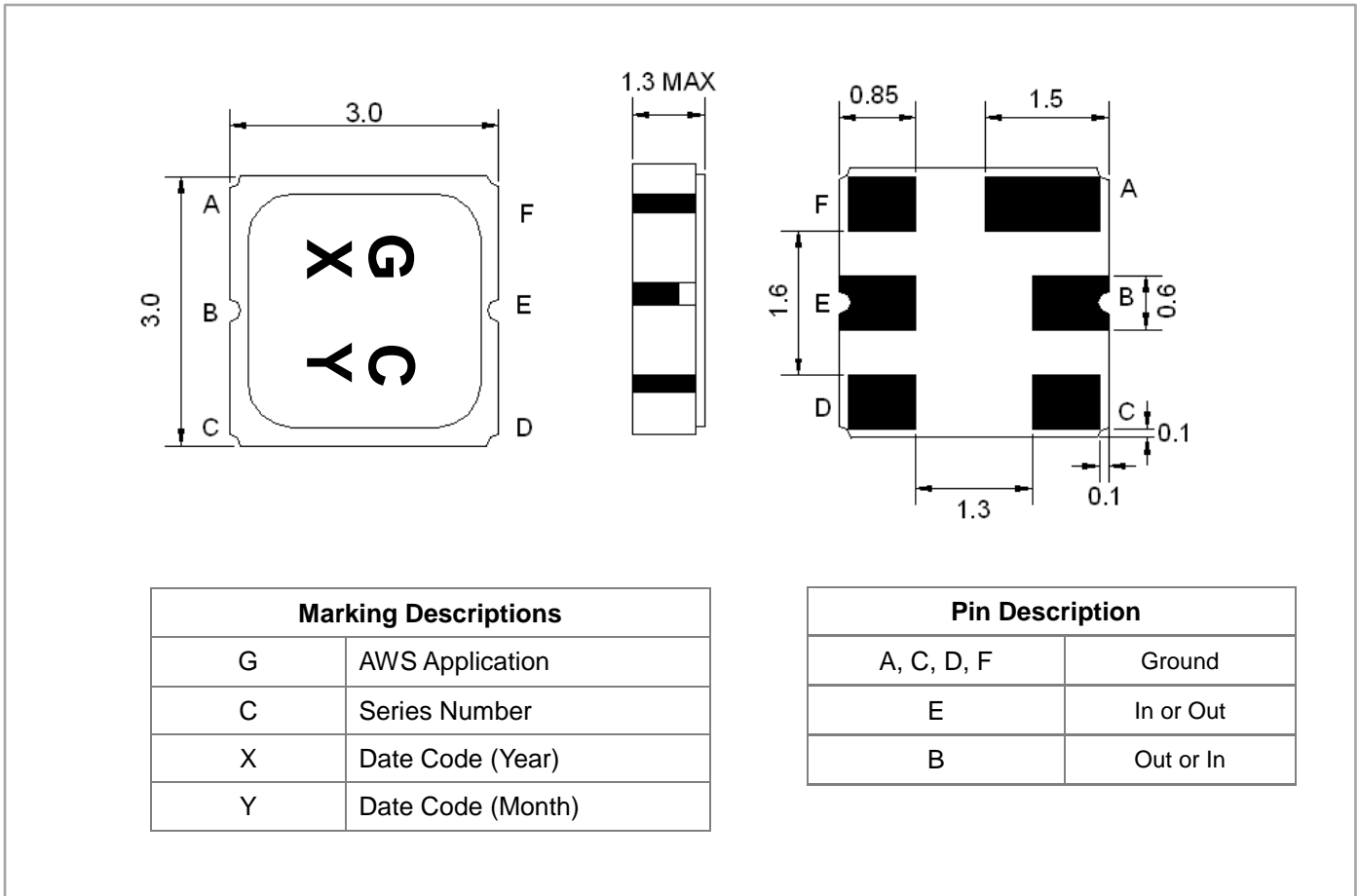
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	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

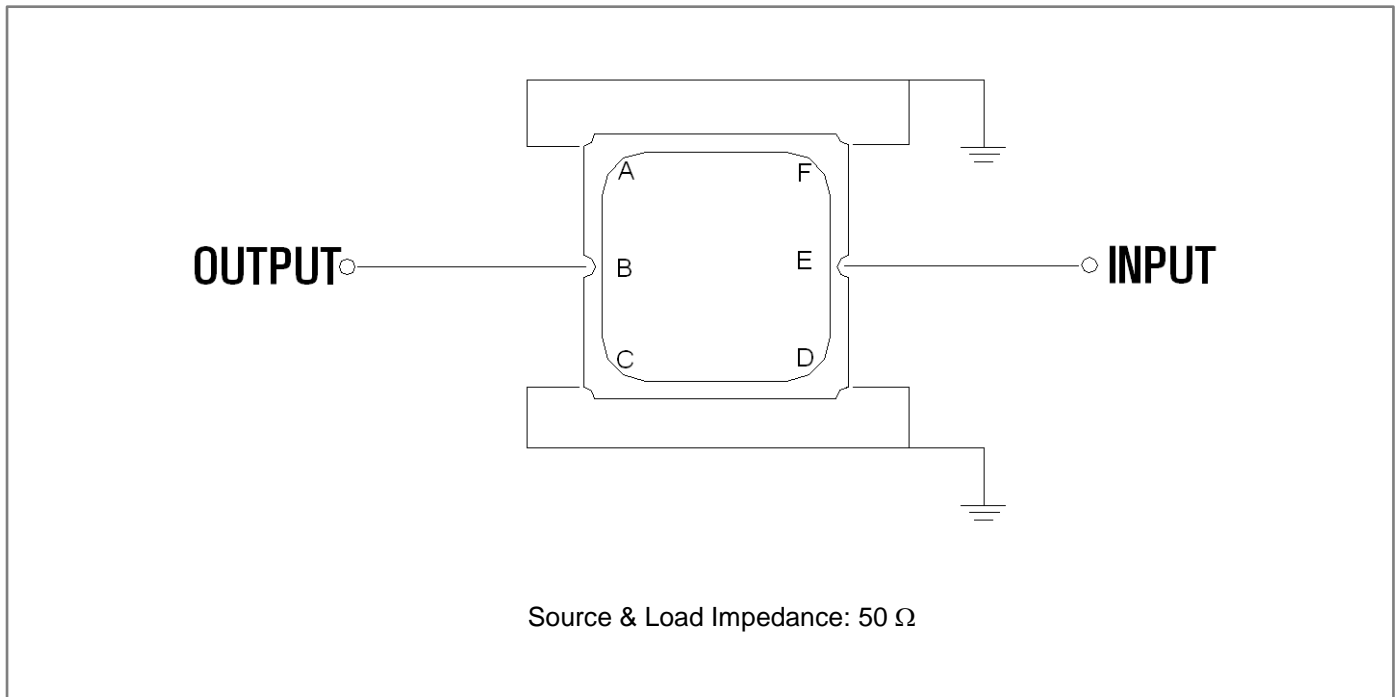
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1209.5	-
Insertion Loss within 1166.0 ~ 1253.0 MHz	dB	-	3.9	5.0
Amplitude Ripple within 1166.0 ~ 1253.0 MHz	dB <sub>p-p</sub>	-	1.8	3.0
Group Delay Ripple within 1166.0~1253.0 MHz	nS <sub>p-p</sub>	-	7	12
Return Loss within 1166.0~1253.0 MHz	dB	8	12	-
<b>Attenuation:</b>				
D.C ~ 1000.0 MHz	dB	23	25	-
1297.0 ~ 2000.0 MHz	dB	25	28	-

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

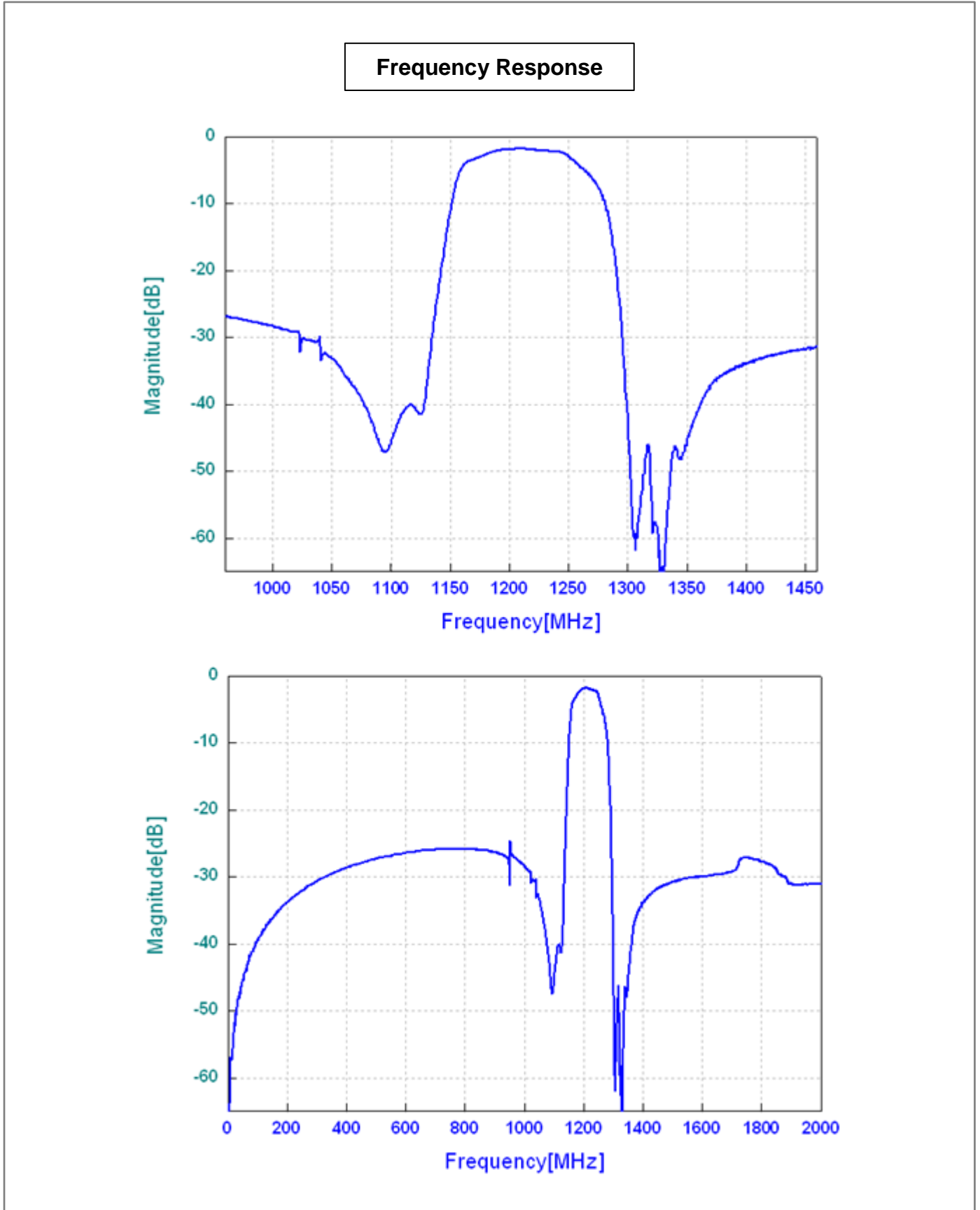
## Package Dimensions



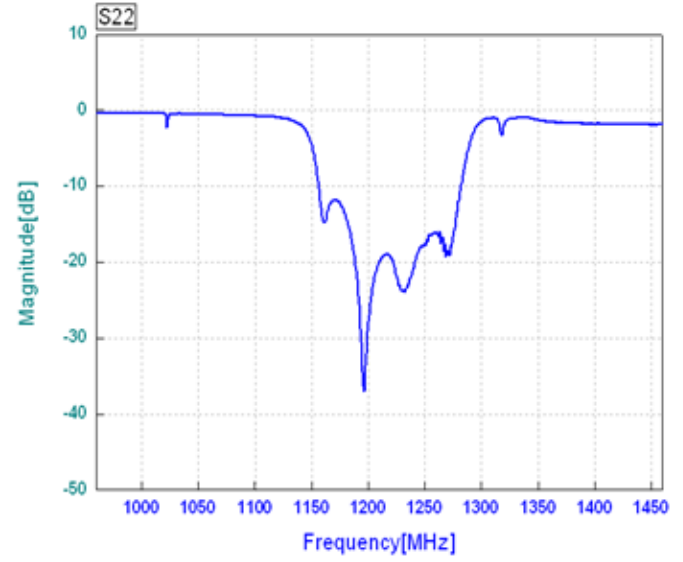
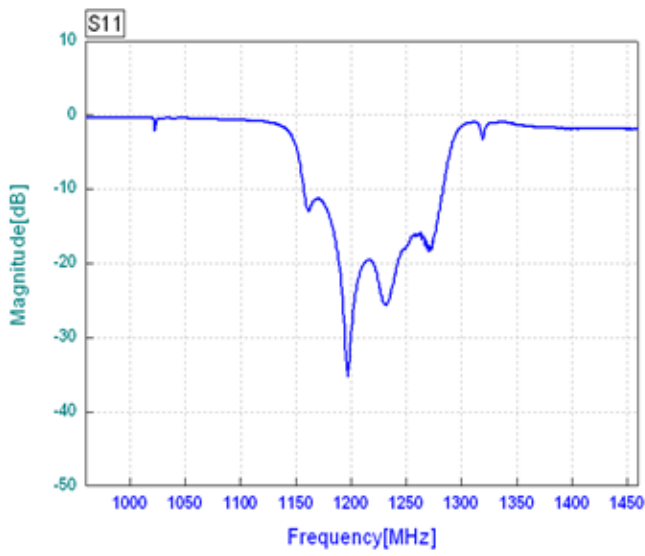
## Testing Environment



## Frequency Characteristics



### Return Loss



### Smith Chart

