

- GPS, RF SAW Filter
- Revision 0: September 2009

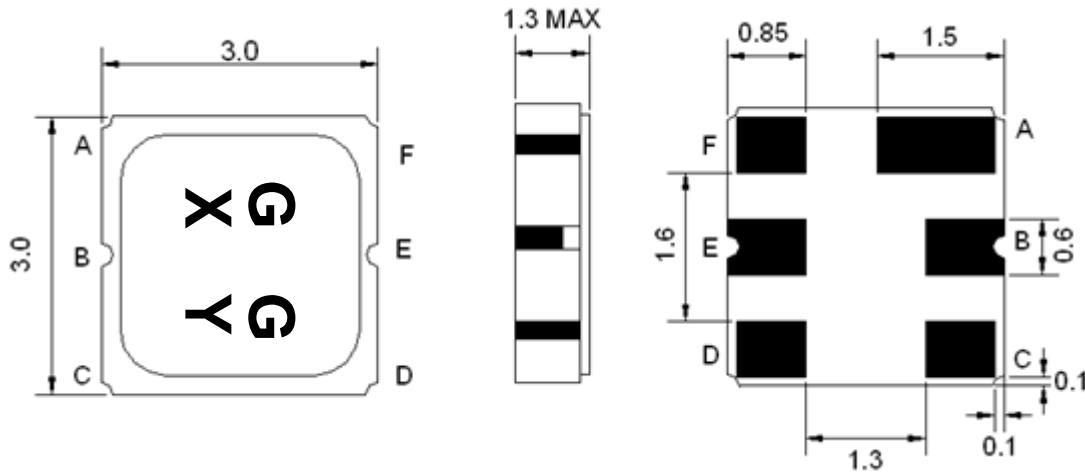
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-50	-	+100
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	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 1574.42 ~ 1576.42MHz	dB	-	2.9	4.0
Amplitude Ripple within 1574.42 ~ 1576.42MHz	dB _{p-p}	-	0.1	1.5
Attenuation:				
1.0 ~ 890.0 MHz	dB	40	60	-
890.0 ~ 1475.0 MHz	dB	36	55	-
1475.42 MHz	dB	36	50	
1535.42 MHz	dB	29	50	
1615.42 MHz	dB	25	42	
1675.42 MHz	dB	40	55	
1700.0 ~ 3000.0 MHz	dB	25	38	
VSWR within 1574.42 ~ 1576.42MHz	-	-	1.55	2.5

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

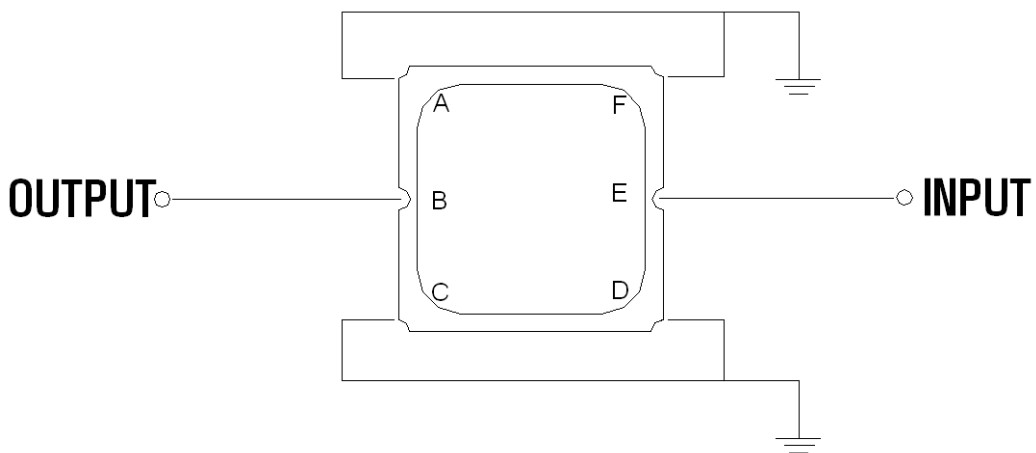
Package Dimensions



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

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

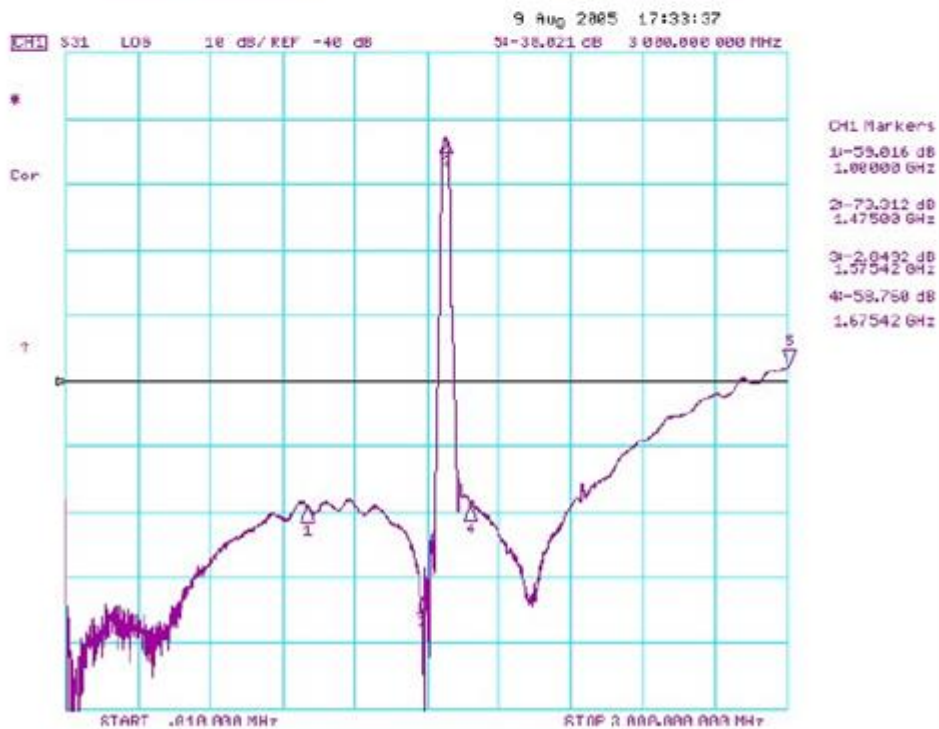
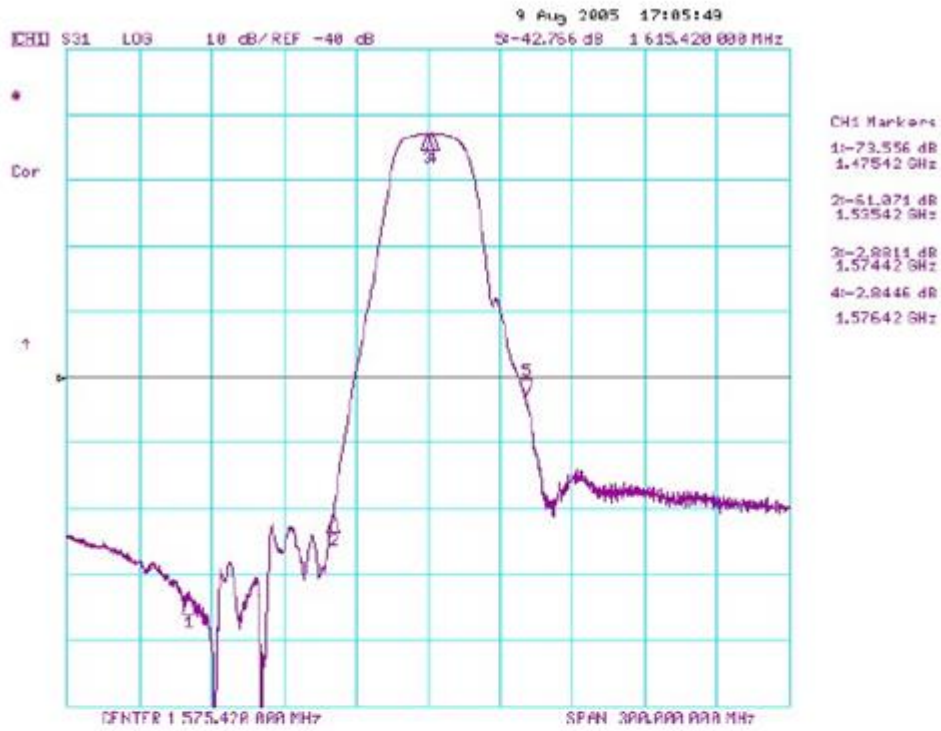
Testing Environment



Source & Load Impedance: 50 Ω

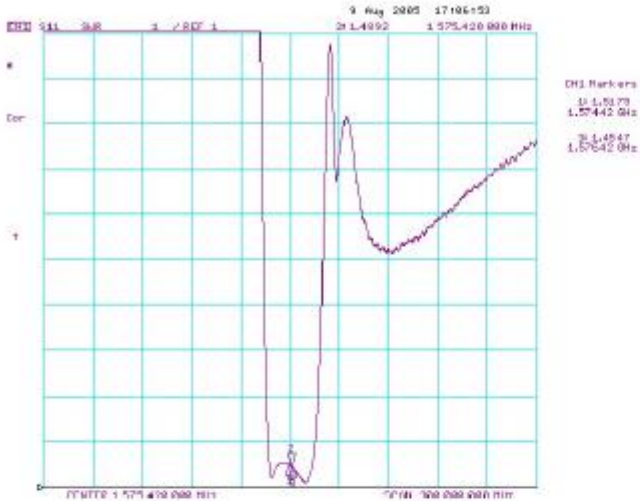
Frequency Characteristics

Frequency Response

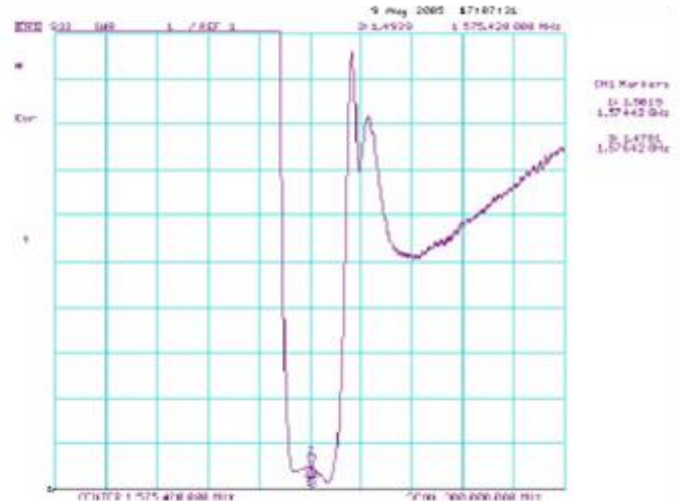


VSWR

S11

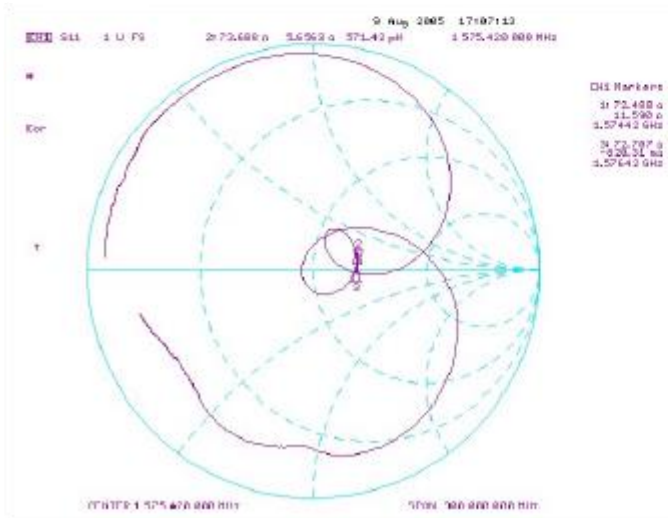


S22



Smith Chart

S11



S22

