

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

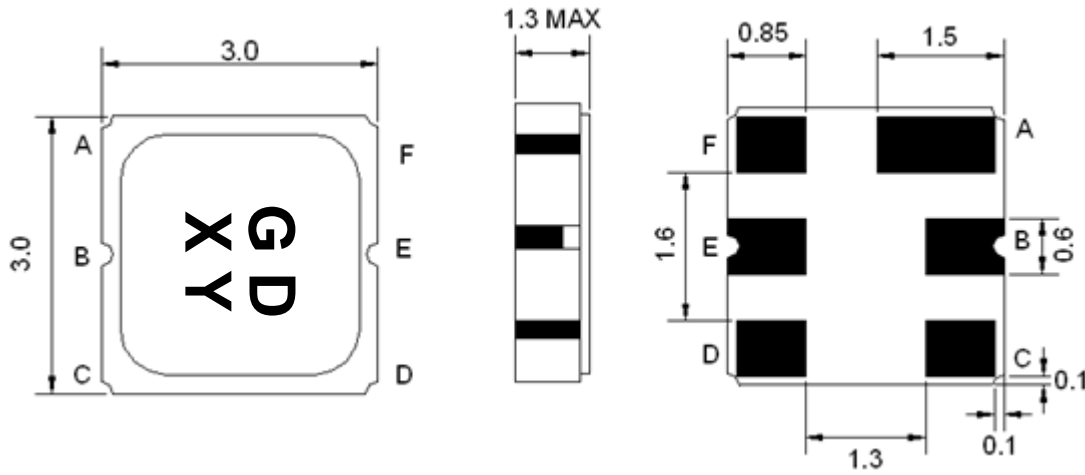
Electrical Characteristics

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) ⁽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	-	1580.5	-
Insertion Loss within 1552.0 ~ 1609.0 MHz	dB	-	3.5	5.0
Amplitude Ripple within 1552.0 ~ 1609.0 MHz	dB _{p-p}	-	1.1	3.0
Group Delay Ripple within 1552.0~1609.0 MHz	ns _{p-p}	-	7	13
Return Loss within 1552.0~1609.0 MHz	dB	8	12	
Attenuation:				
D.C ~ 1400.0 MHz	dB	30	35	-
1400.0 ~ 1485.0 MHz	dB	25	38	-
1485.0 ~ 1515.0 MHz	dB	7	14	-
1658.0 ~ 1685.0 MHz	dB	10	14	-
1685.0 ~ 2000.0 MHz	dB	30	40	-

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

Package Dimensions



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

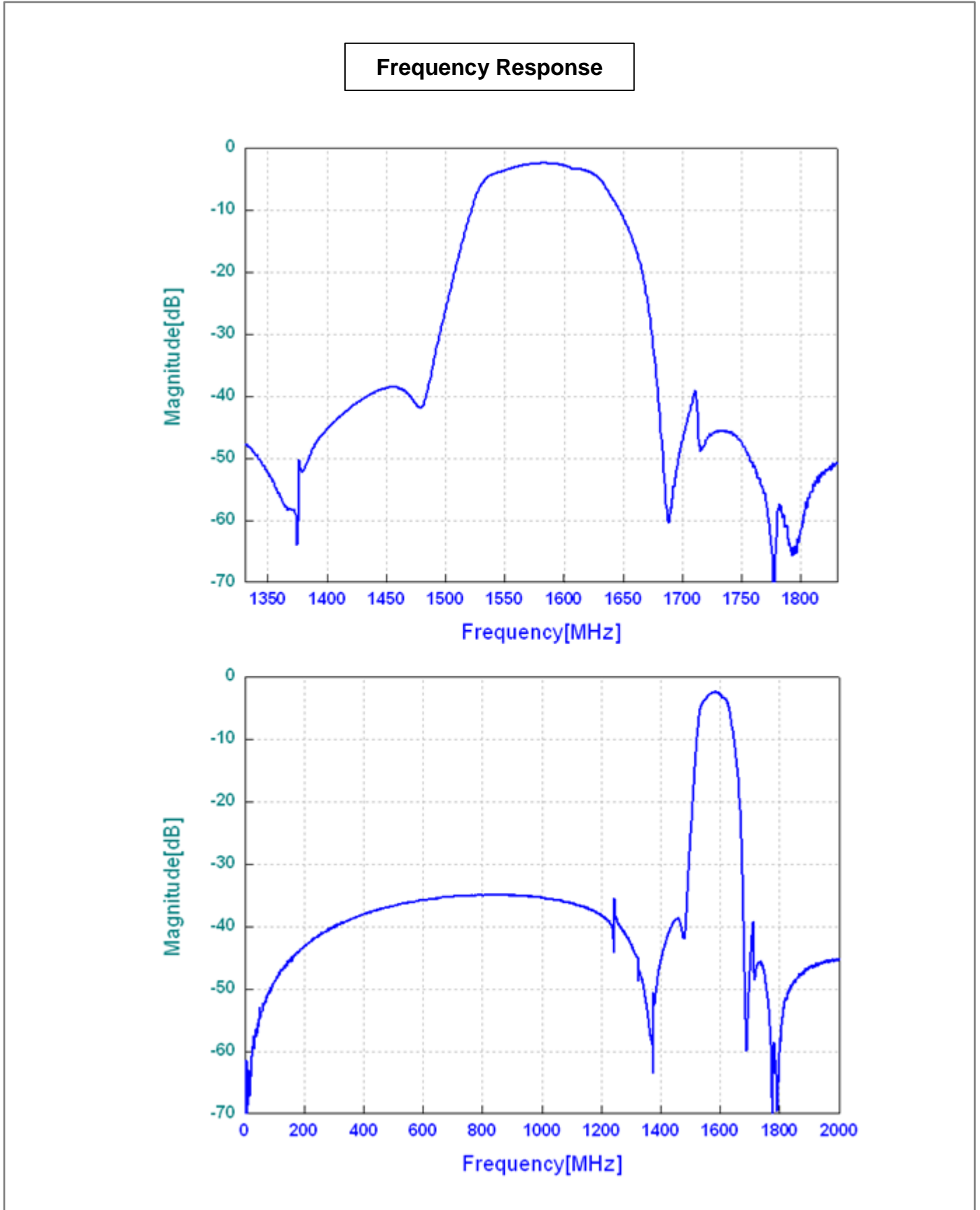
Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

Testing Environment

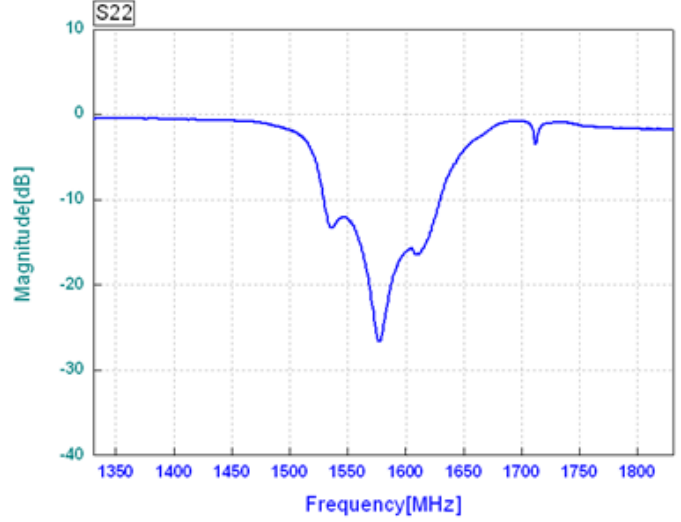
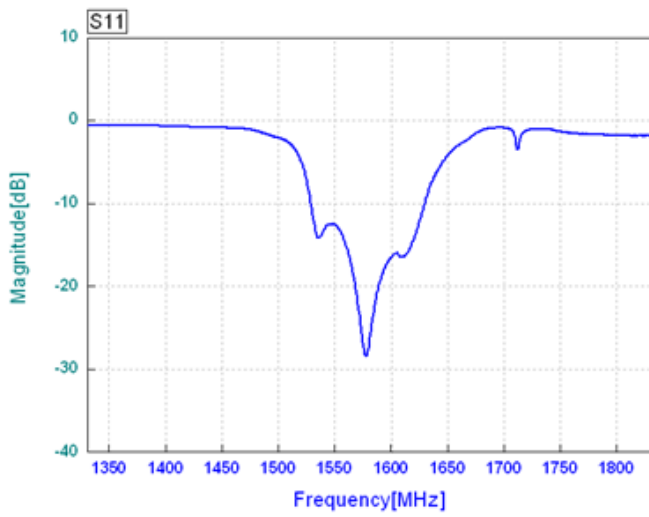


Source & Load Impedance: 50 Ω

Frequency Characteristics



Return Loss



Smith Chart

