

- GPS, RF SAW Filter
- Revision 0: June 2005

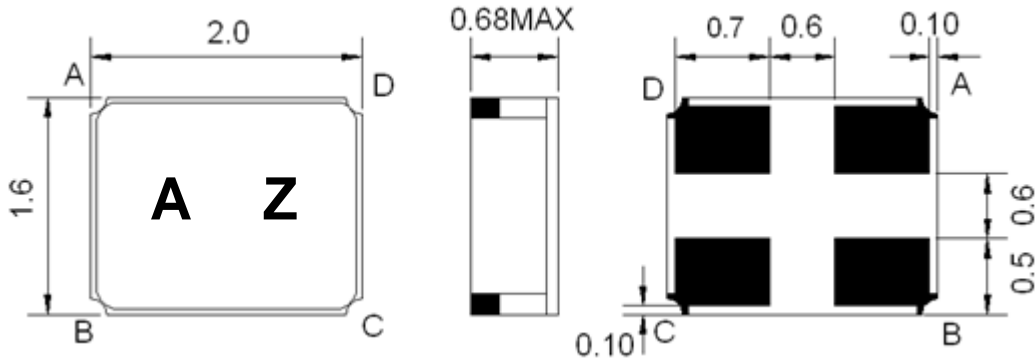
Electrical Characteristics

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) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	J			
Length x Width	mm ²	-	2.0 x 1.6	-
Height	mm	-	-	0.68

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1574.42~1576.42MHz	dB	-	1.7	2.2
Amplitude Ripple within 1574.42~1576.42MHz	dB _{p-p}	-	0.1	1.0
Attenuation:				
D.C. ~ 1400 MHz	dB	35	37	-
1400 ~ 1475 MHz	dB	35	38	-
1475 ~ 1525 MHz	dB	30	35	-
1625 ~ 1640 MHz	dB	40	55	-
1640 ~ 2000 MHz	dB	35	40	-
2000 ~ 3000 MHz	dB	25	29	-
VSWR within 1574.42~1576.42MHz	-	-	1.15	2.0

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

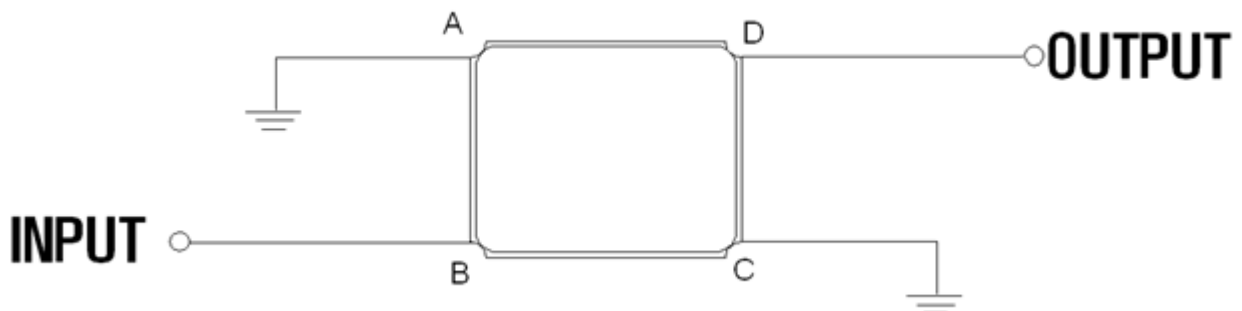
Package Dimensions



Marking Descriptions	
A	Series Number
Z	Date Code (Year+month)

Pin Description	
A, C	Ground
B	In
D	Out

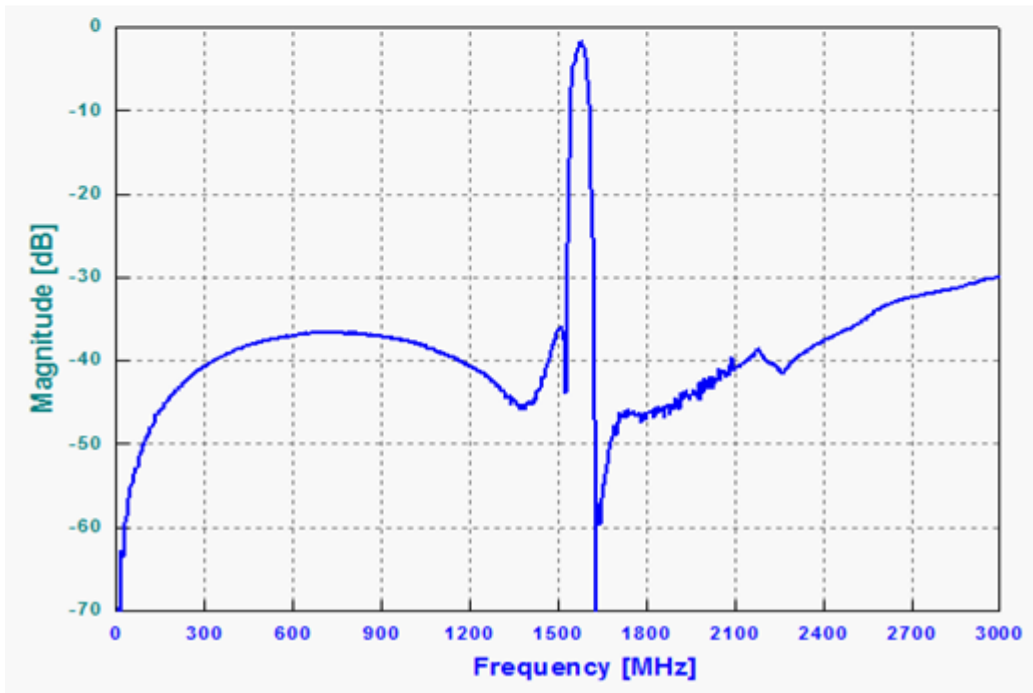
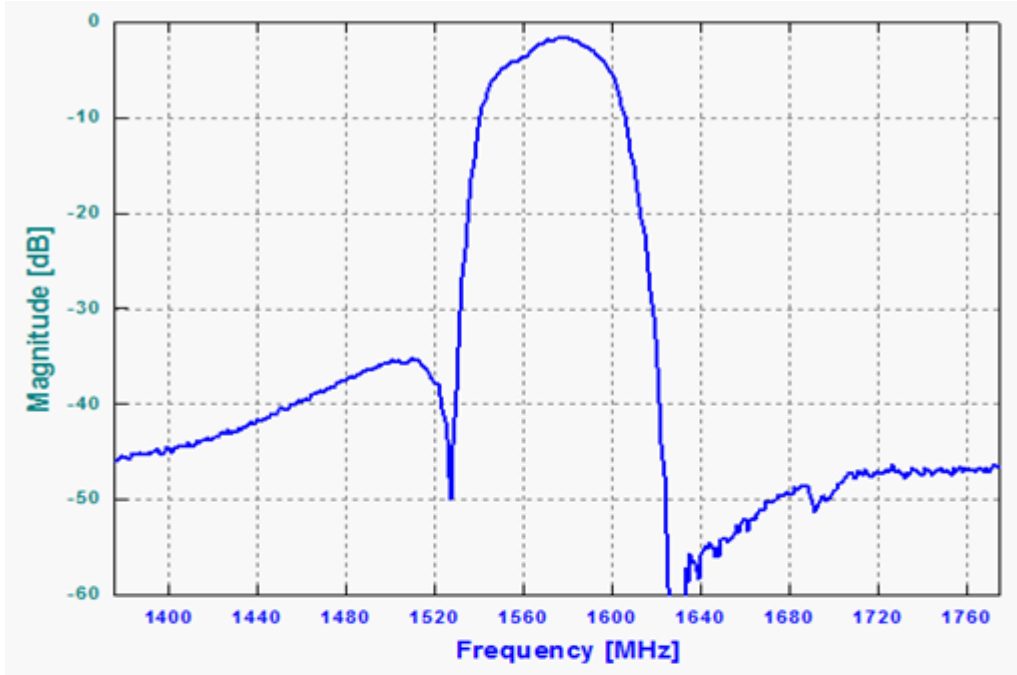
Testing Environment



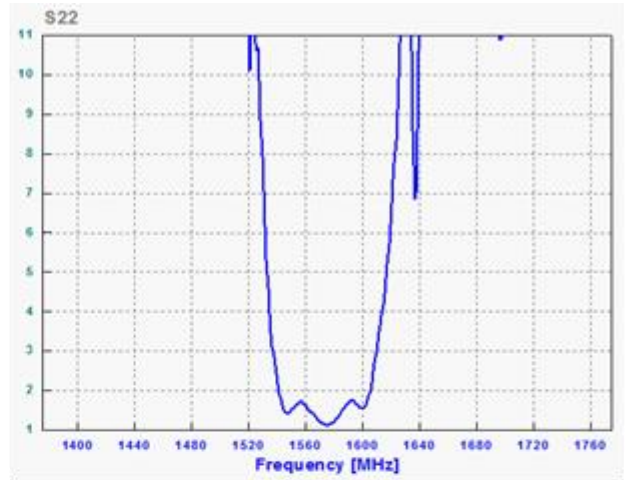
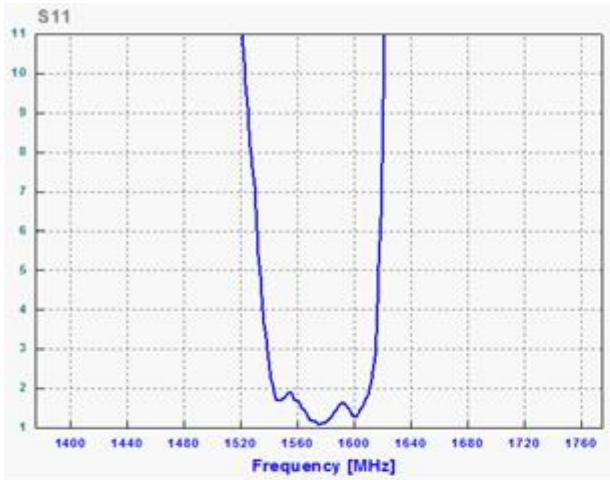
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

