

- GPS, RF SAW Filter
- Revision 0: June 2013

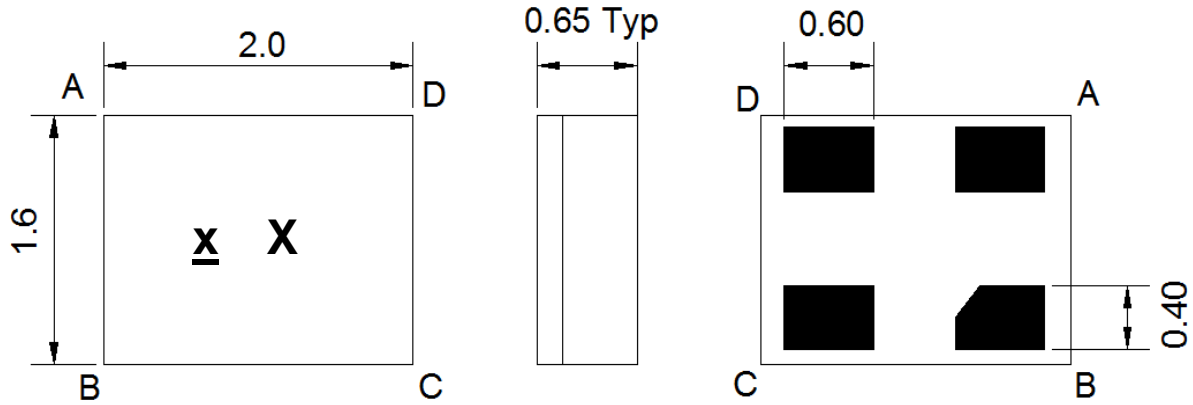
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	C44			
Length x Width	mm ²	-	2.0 x 1.6	-
Height	mm	-	-	0.65

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1574.42~1576.42 MHz	dB	-	0.8	1.3
Amplitude Ripple within 1574.42~1576.42 MHz	dB _{p-p}	-	0.04	0.6
Attenuation:				
D.C. ~ 880.0 MHz	dB	30	38	-
880.0 ~ 915.0 MHz	dB	30	38	-
915.0 ~ 1453.0 MHz	dB	30	38	-
1453.0 ~ 1525.0 MHz	dB	35	43	-
1625.0 ~ 1710.0 MHz	dB	30	38	-
1710.0 ~ 2025.0 MHz	dB	30	38	-
2025.0 ~ 2250.0 MHz	dB	35	40	-
2250.0 ~ 2400.0 MHz	dB	35	42	-
2400.0 ~ 2700.0 MHz	dB	35	45	-
2700.0 ~ 6000.0 MHz	dB	25	31	-
VSWR within 1574.42~1576.42 MHz	-	-	1.1	1.8

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

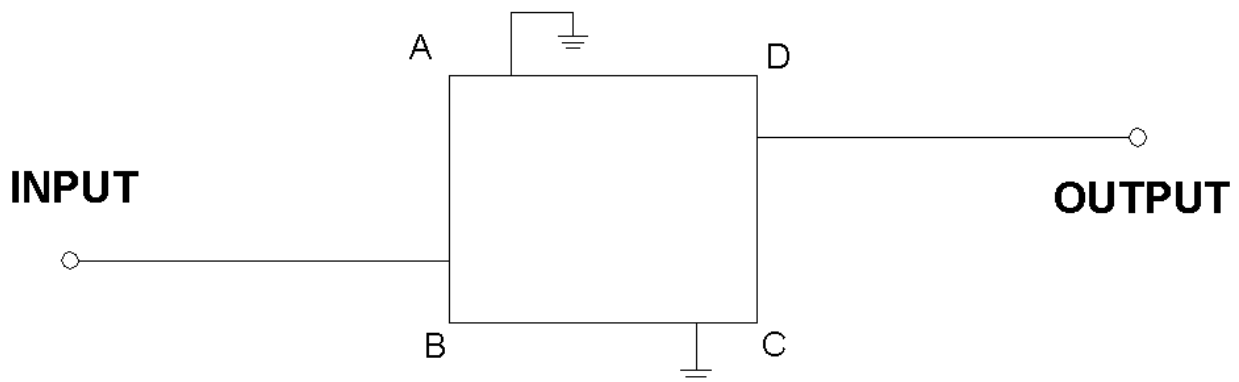
Package Dimensions



Marking Descriptions	
<u>x</u>	Series Number
X	Date Code (Year+Month)

Pin Description	
A, C	Ground
B	Input
D	Output

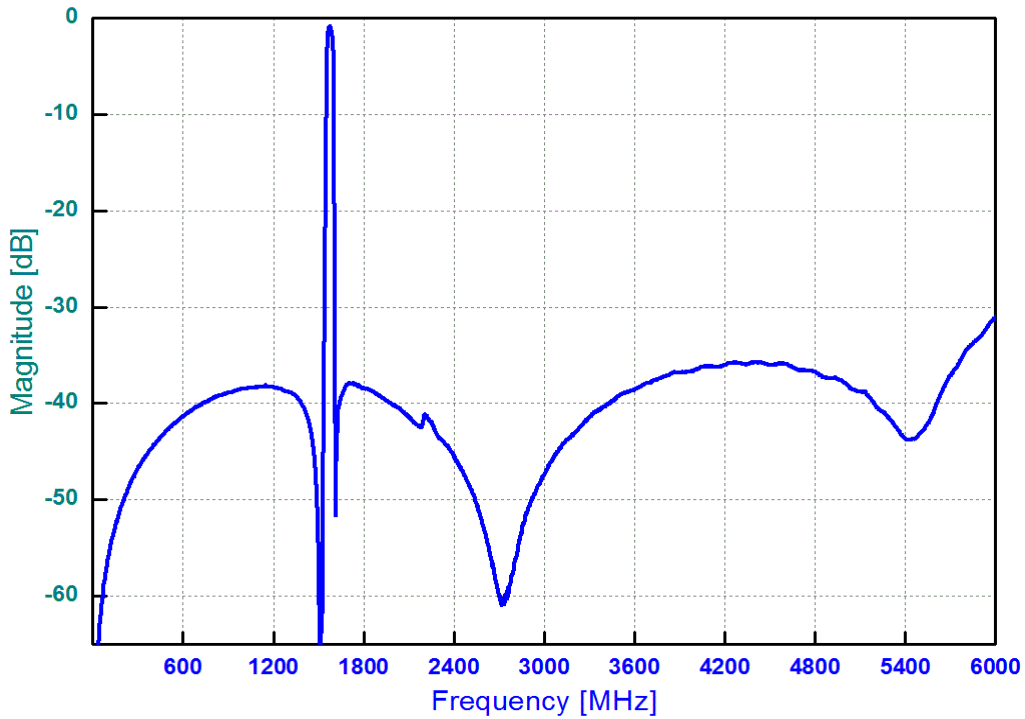
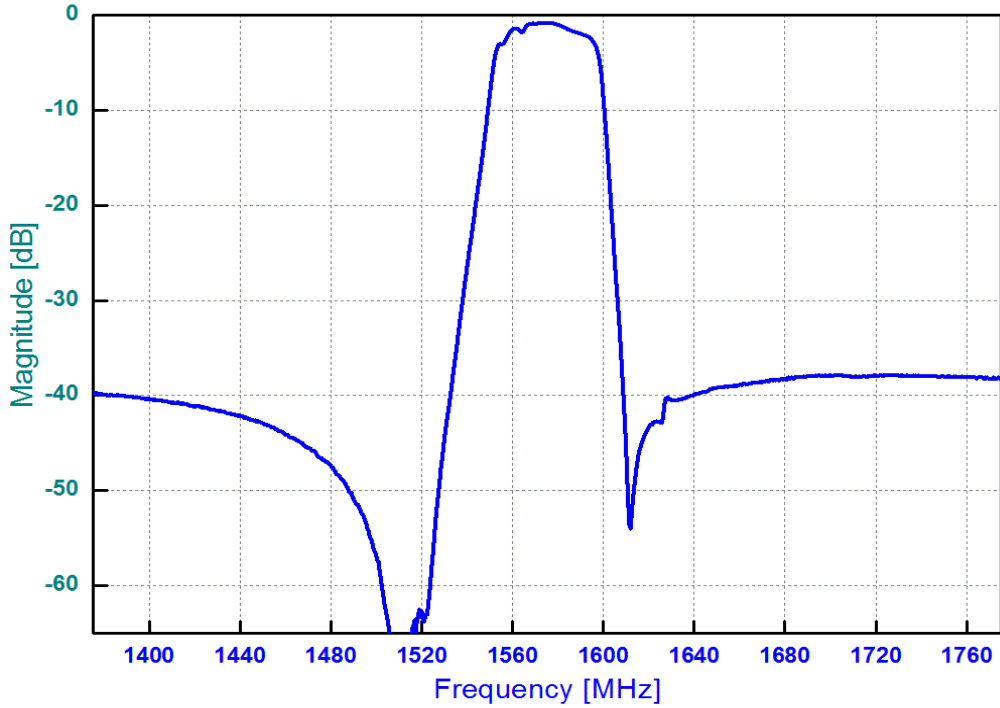
Testing Environment



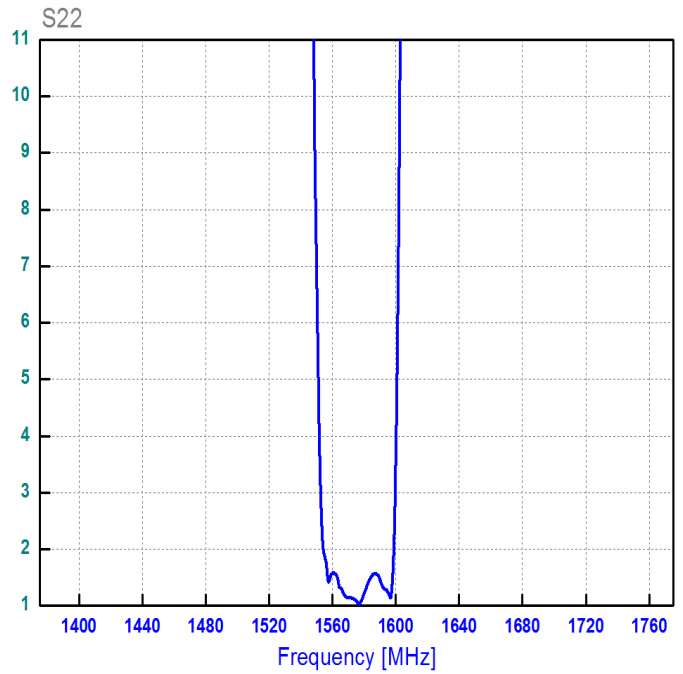
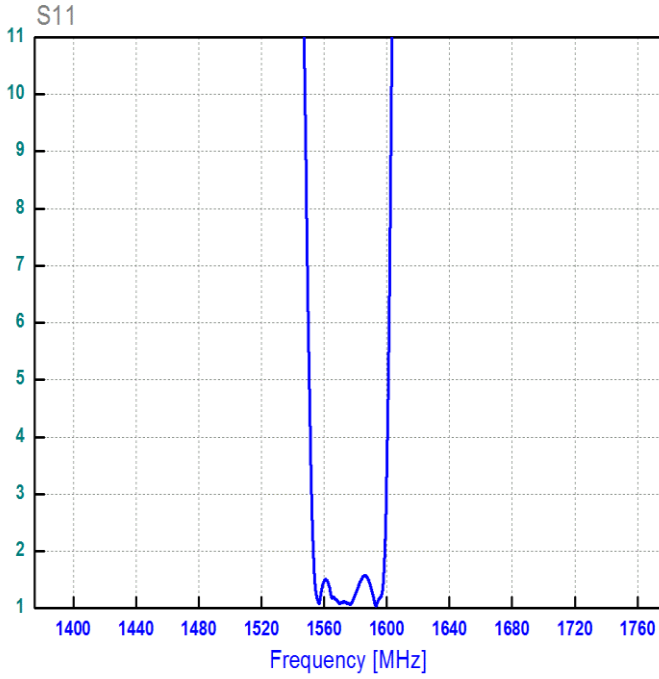
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

