

- Wireless, RF SAW Filter
- Revision 0: February 2014

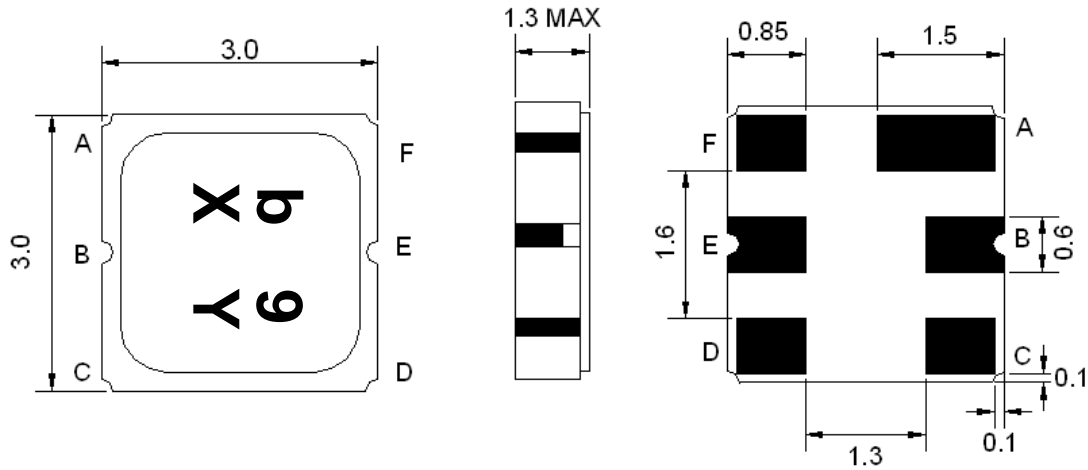
Electrical Characteristics

MAXIMUM RATINGS				
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	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	S20			
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	-	1539.0	-
Insertion Loss within 1518.0~1560.0MHz	dB	-	2.0	3.5
Amplitude Ripple within 1518.0~1560.0MHz	dB _{p-p}	-	0.9	2.0
Return Loss within 1518.0~1560.0MHz	dB	10	15	-
Attenuation:				
D.C ~ 1000.0 MHz	dB	28	30	-
1000.0 ~ 1480.0 MHz	dB	28	30	-
1480.0 ~ 1490.0 MHz	dB	20	28	-
1575.0 MHz	dB	5	22	-
1600.0 ~ 1650.0 MHz	dB	30	35	-
1650.0 ~ 1785.0 MHz	dB	30	34	-
1785.0 ~ 2200.0 MHz	dB	30	35	-
2200.0 ~ 2250.0 MHz	dB	30	41	-
2250.0 ~ 4000.0 MHz	dB	4	7	-

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

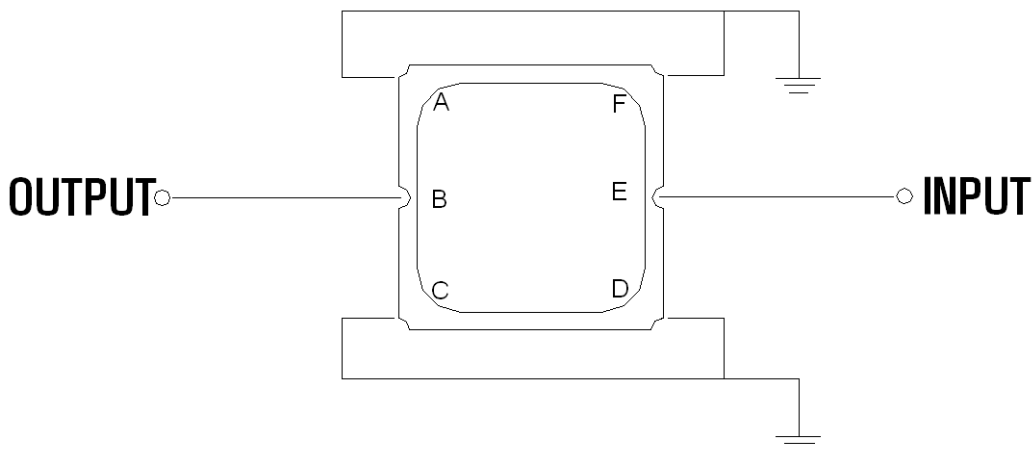
Package Dimensions



Marking Descriptions	
b	Wireless Application
9	Series Number
X	Date Code (Year)
Y	Date Code (Month)

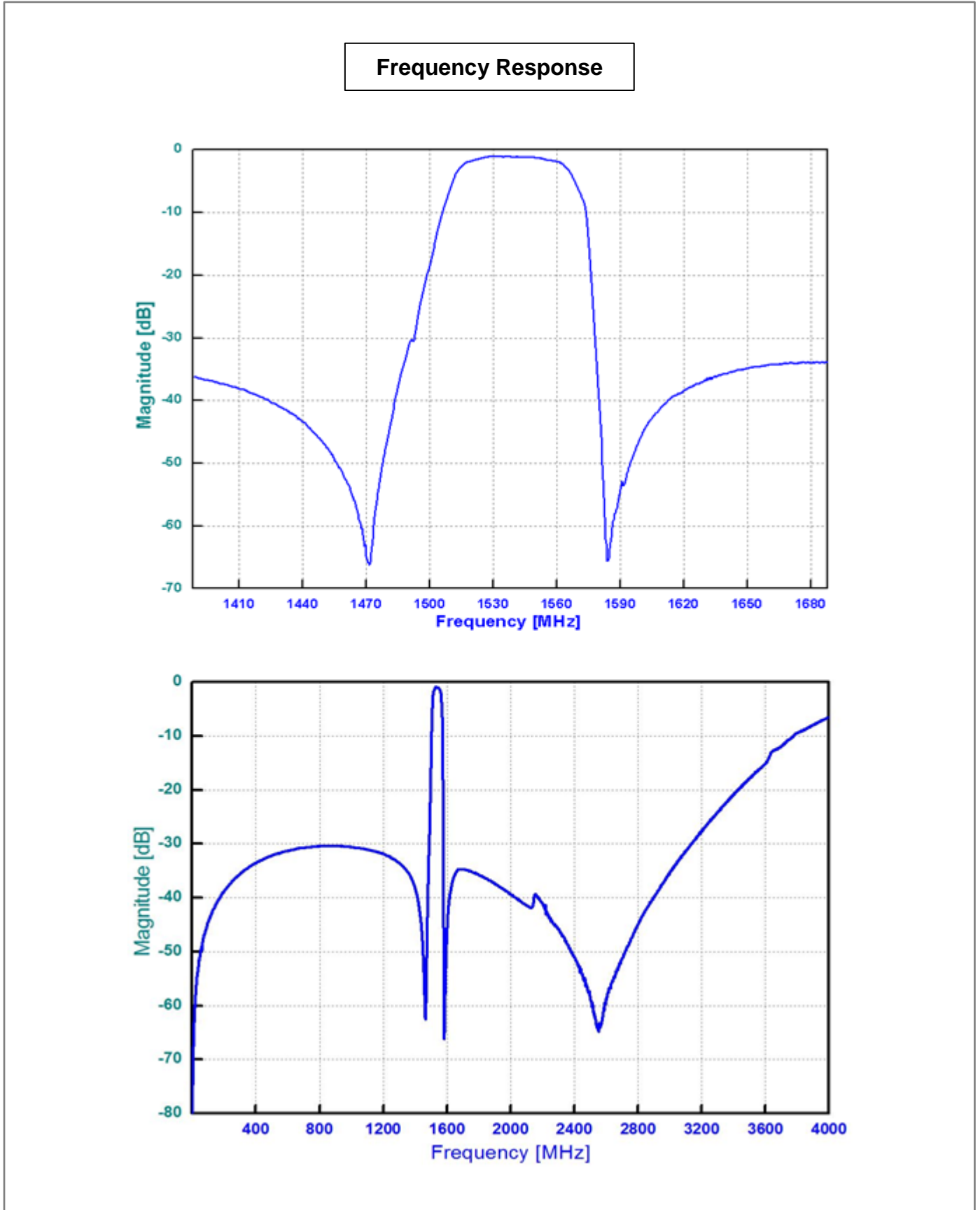
Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

Testing Environment

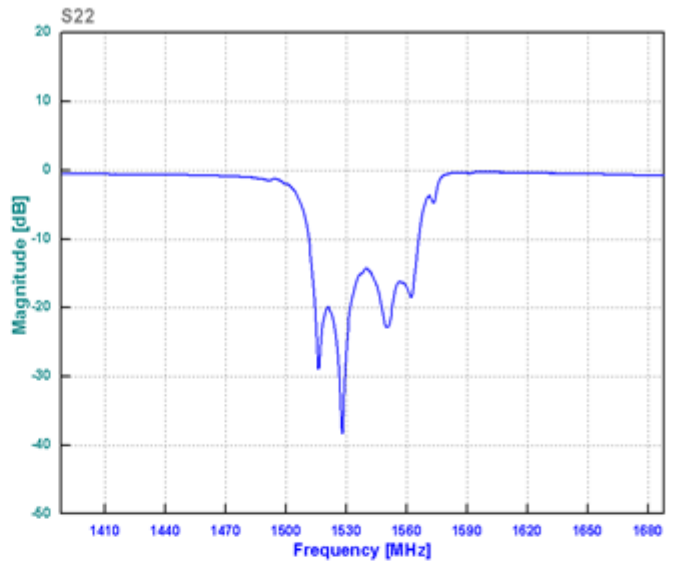
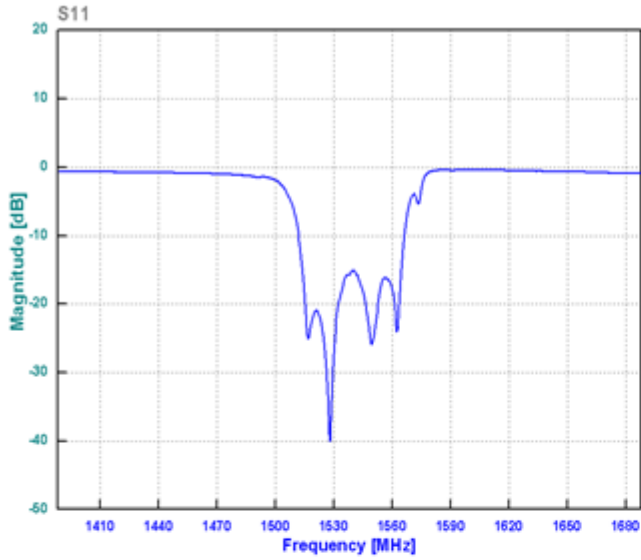


Source & Load Impedance: 50 Ω

Frequency Characteristics



Return Loss



Smith Chart

