

- WiMAX, RF SAW SAW Filter
- Revision 0: May 2013

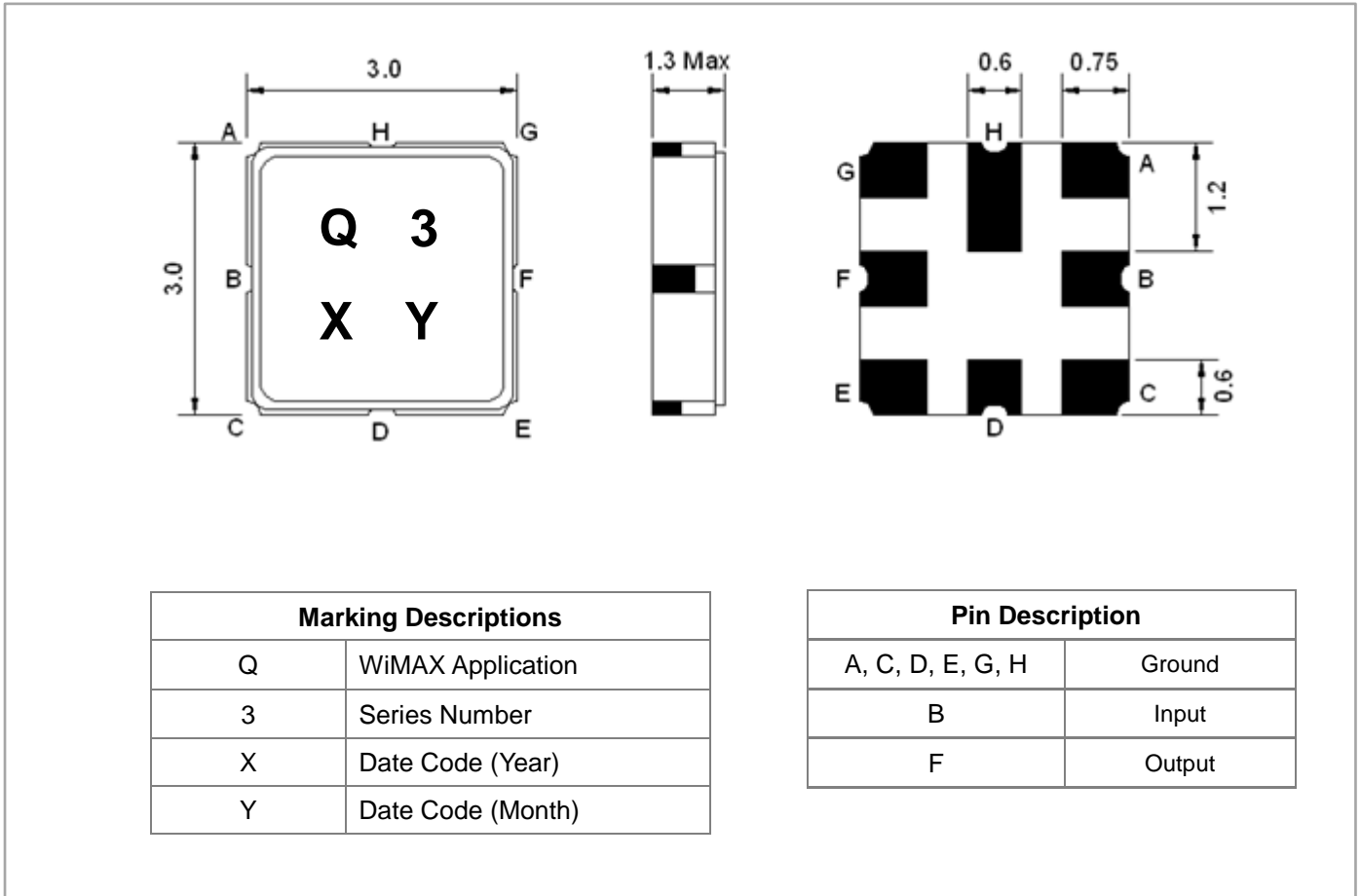
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	26
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	S21			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

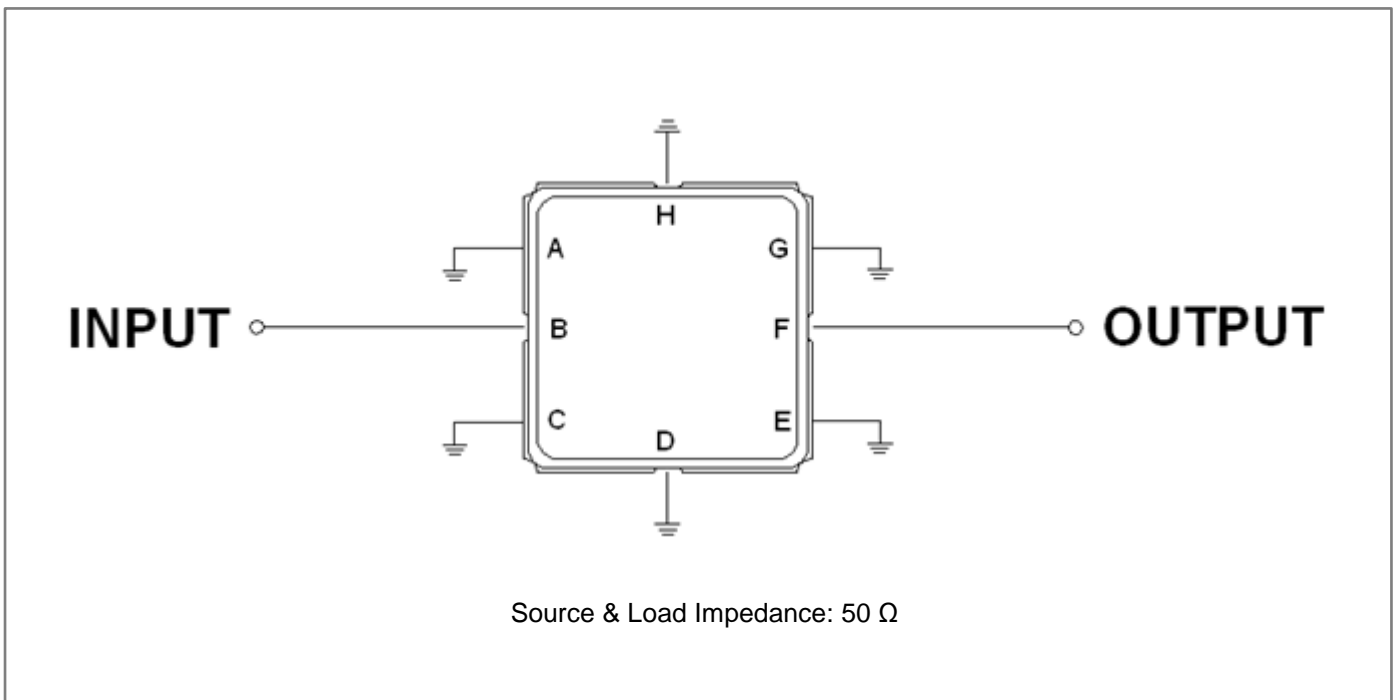
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	2345.0	-
Insertion Loss within 2330.0 ~ 2360.0 MHz	dB	-	2.5	3.5
Amplitude Ripple within 2330.0 ~ 2360.0 MHz	dB _{p-p}	-	0.6	1.5
Return Loss within 2330.0 ~ 2360.0 MHz	dB	8	10	-
Attenuation:				
800.0 ~ 1900.0 MHz	dB	30	37	-
1920.0 ~ 1980.0 MHz (WCDMA UL)	dB	35	47	-
2110.0 ~ 2170.0 MHz (WCDMA DL)	dB	40	48	-
2400.0 ~ 2420.0 MHz	dB	15	42	-
2420.0 ~ 2497.0 MHz	dB	40	48	-
2nd Harmonic (4690.0 MHz)	dB	13	18	-
3rd Harmonic (7035.0 MHz)	dB	2	5	-

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

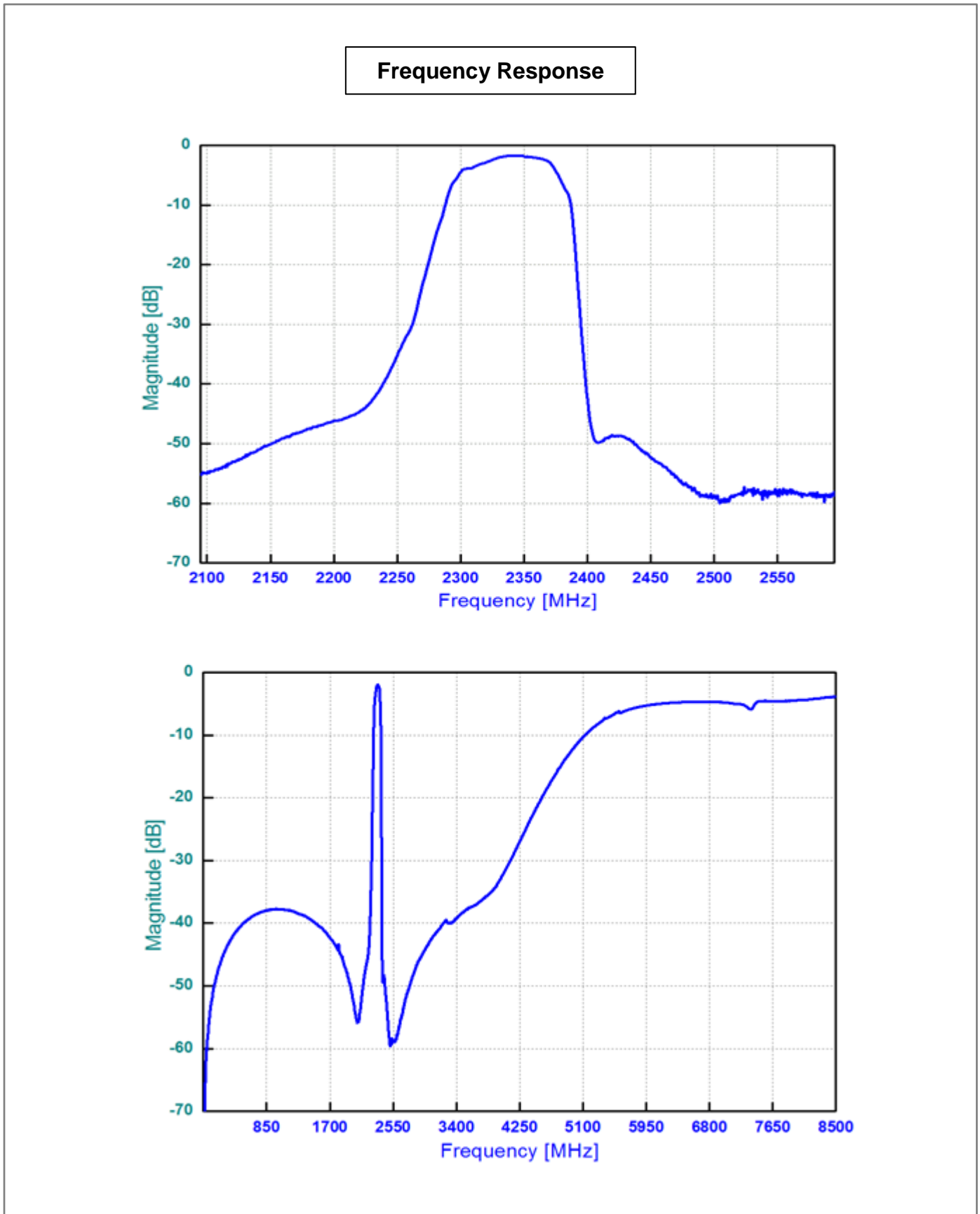
Package Dimensions



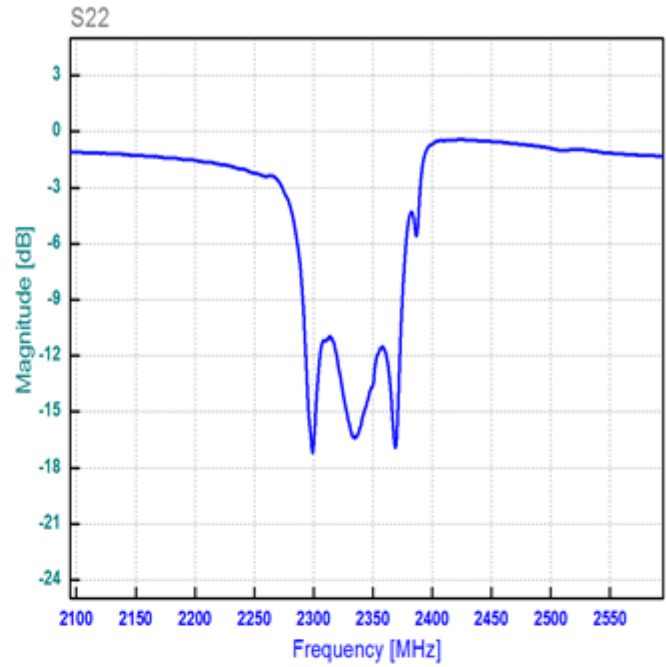
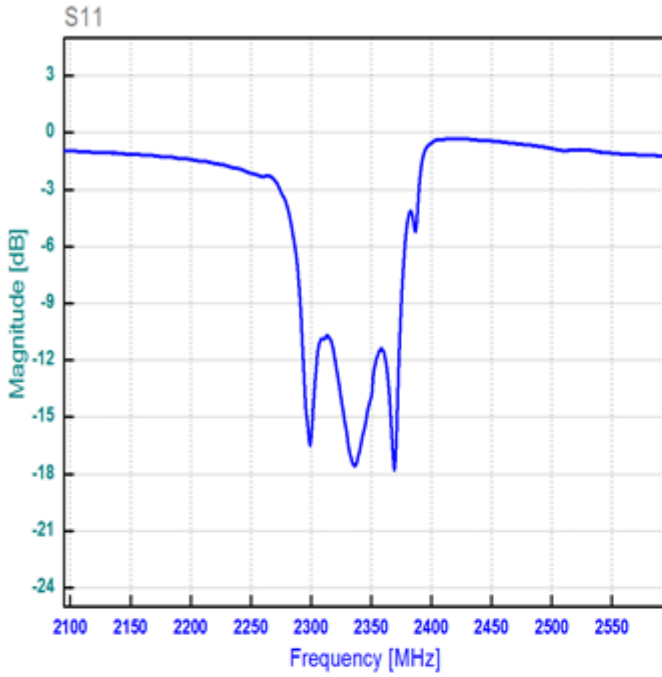
Testing Environment



Frequency Characteristics



Return Loss



Smith Chart

