

- Wireless, RF SAW Filter
- Revision 0: May 2010

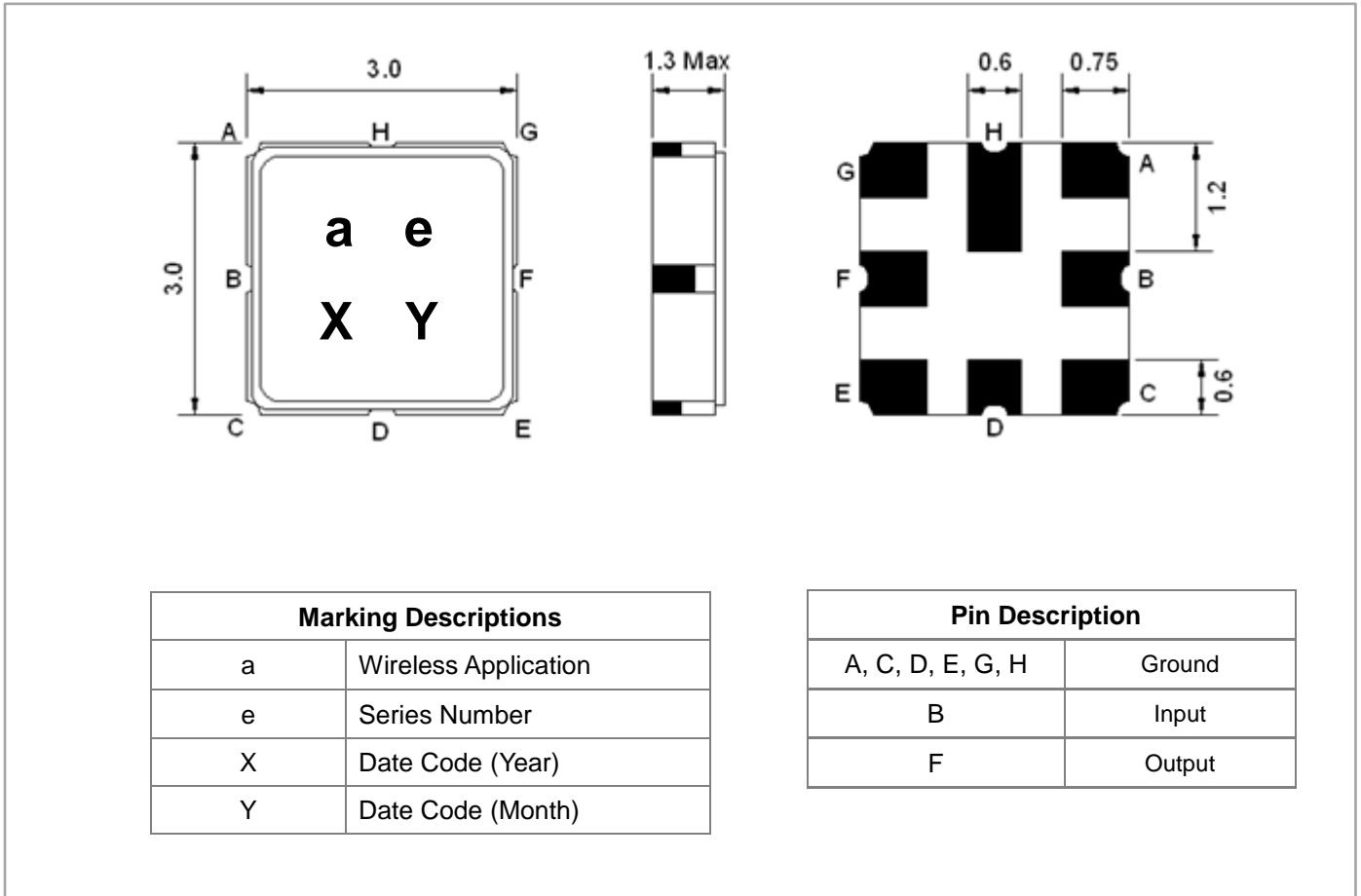
Electrical Characteristics

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	M1			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

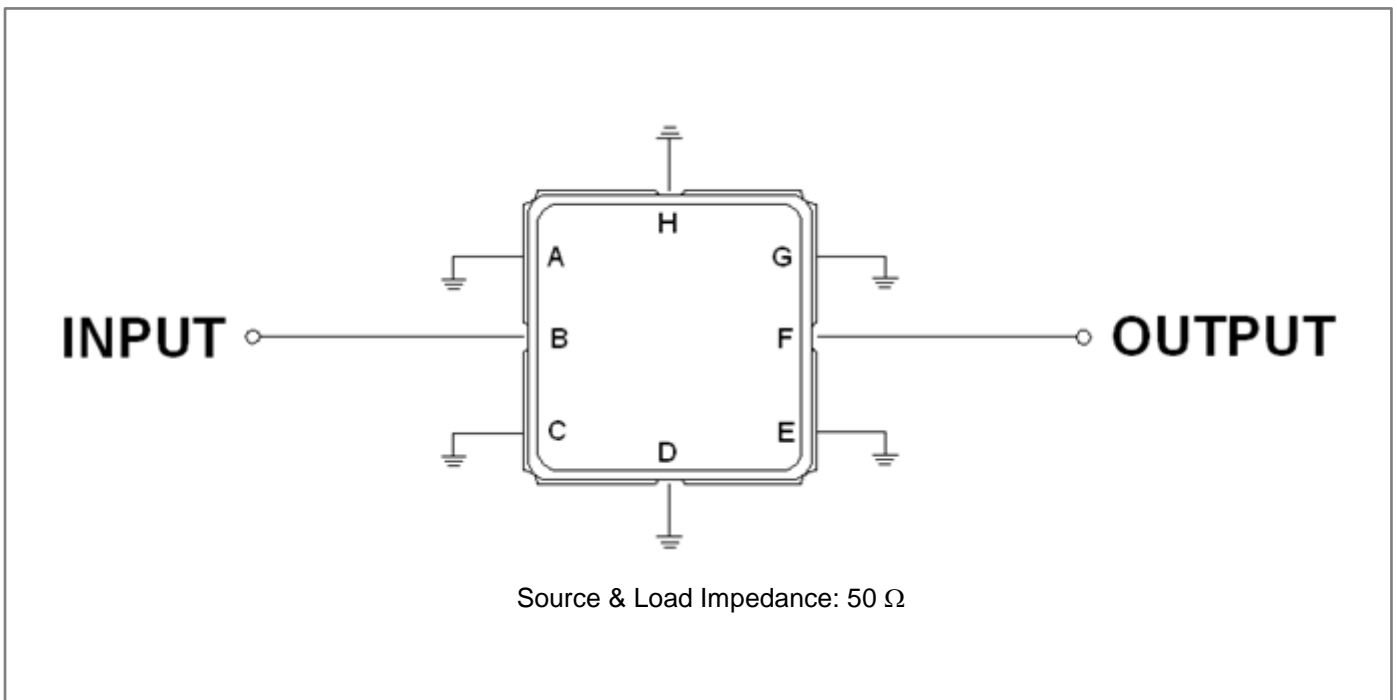
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1567.5	-
Insertion Loss within 1525.0 ~ 1610.0 MHz	dB	-	2.8	4.0
Amplitude Ripple within 1525.0 ~ 1610.0 MHz	dB _{p-p}	-	1.0	2.0
Group Delay Ripple within 1525.0 ~ 1610.0 MHz	ns _{p-p}	-	1.5	30
Attenuation:				
D.C. ~ 1450.0 MHz	dB	19	20	-
1650.0 ~ 2000.0 MHz	dB	5	5.5	-
Return Loss within 1525.0 ~ 1610.0 MHz	dB	9	11	-

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

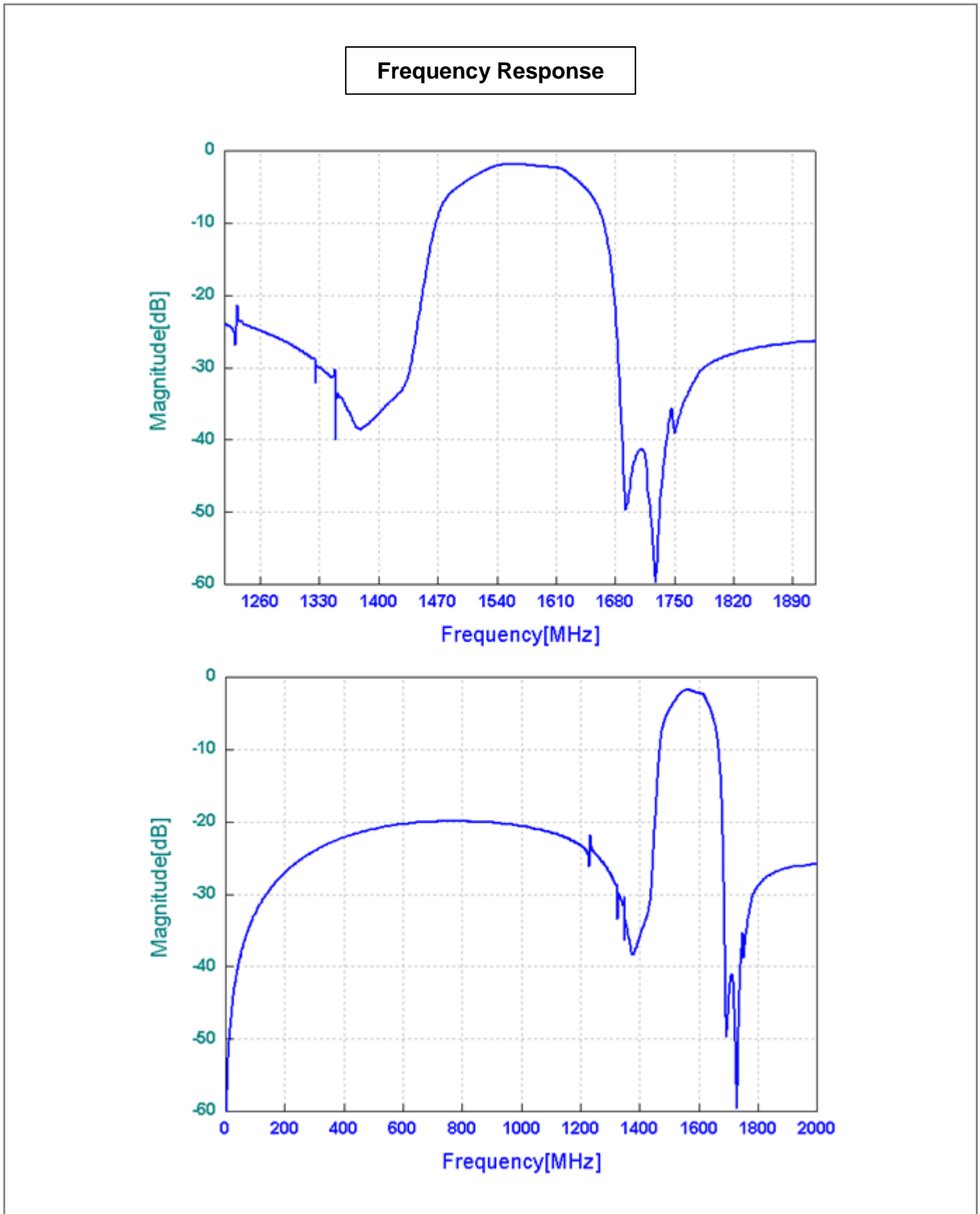
Package Dimensions



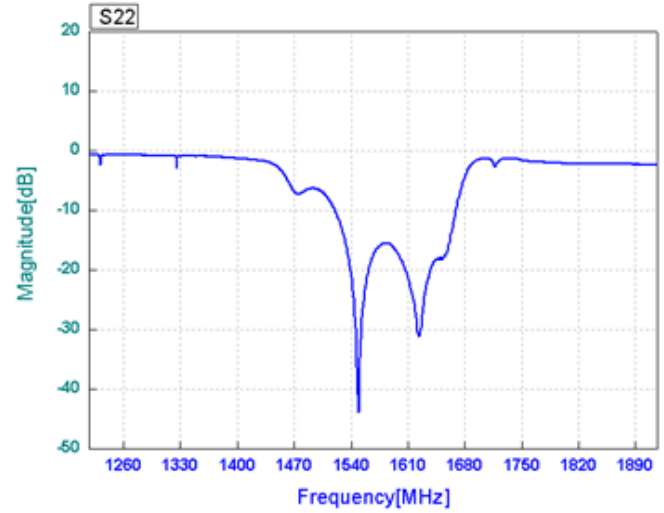
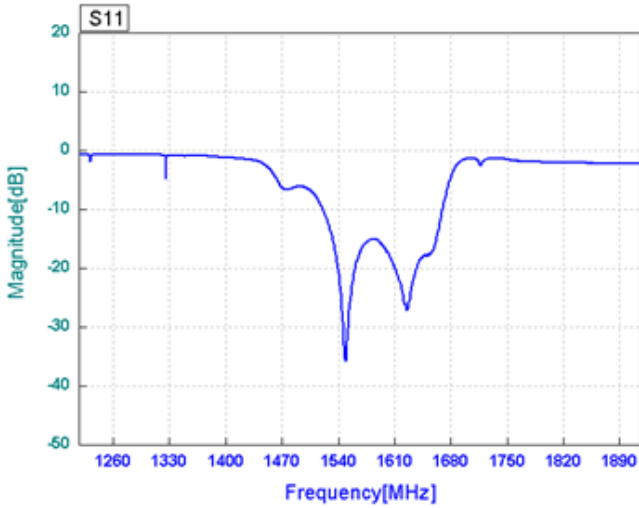
Testing Environment



Frequency Characteristics



Return Loss



Smith Chart

