

- Wireless, Balanced RF SAW Filter
- Revision 0: August 2010

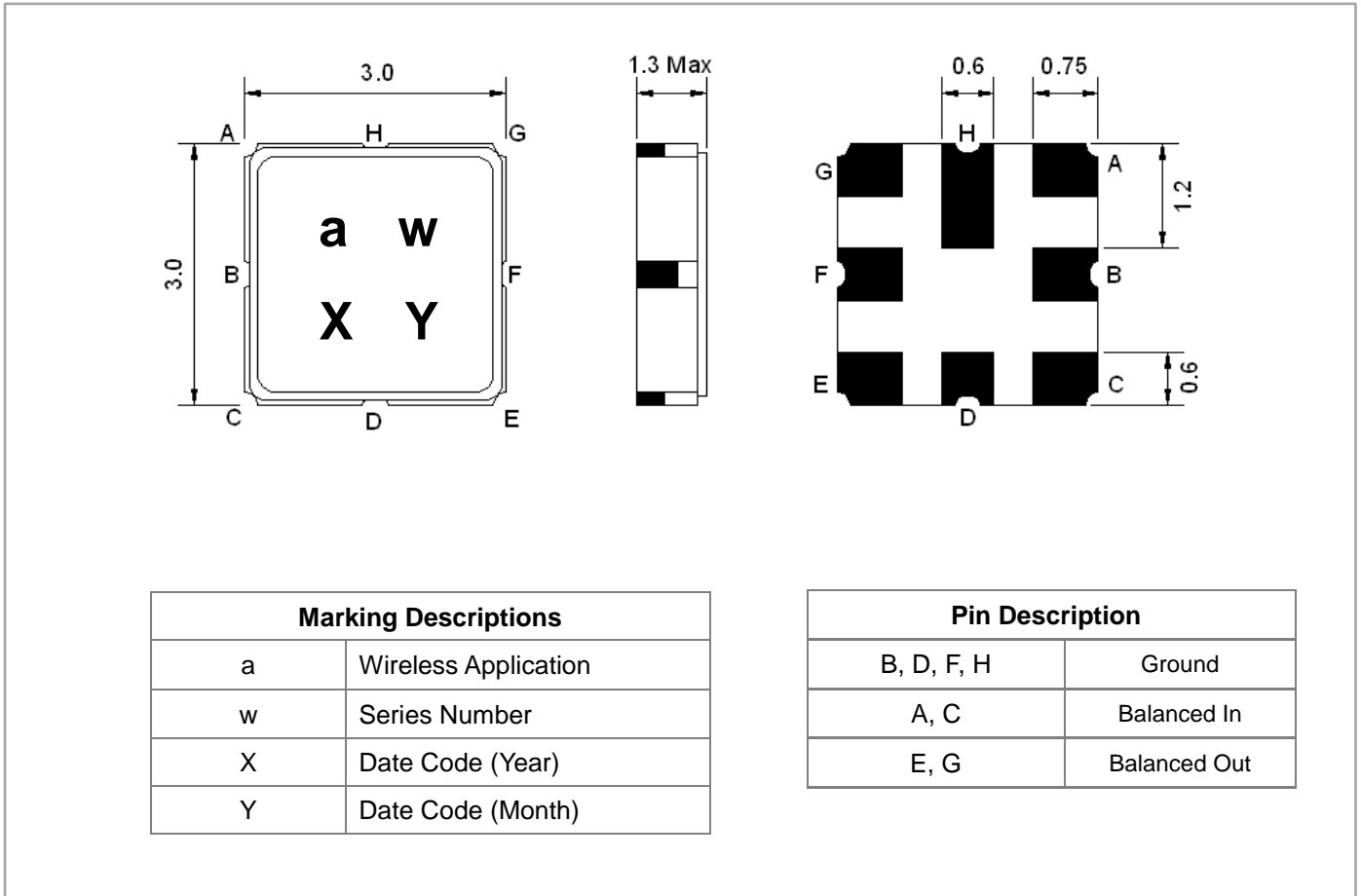
Electrical Characteristics

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 (balanced) ⁽¹⁾	Ω	-	100	-
Load Impedance (balanced) ⁽¹⁾	Ω	-	100	-
Package type & size	M1			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

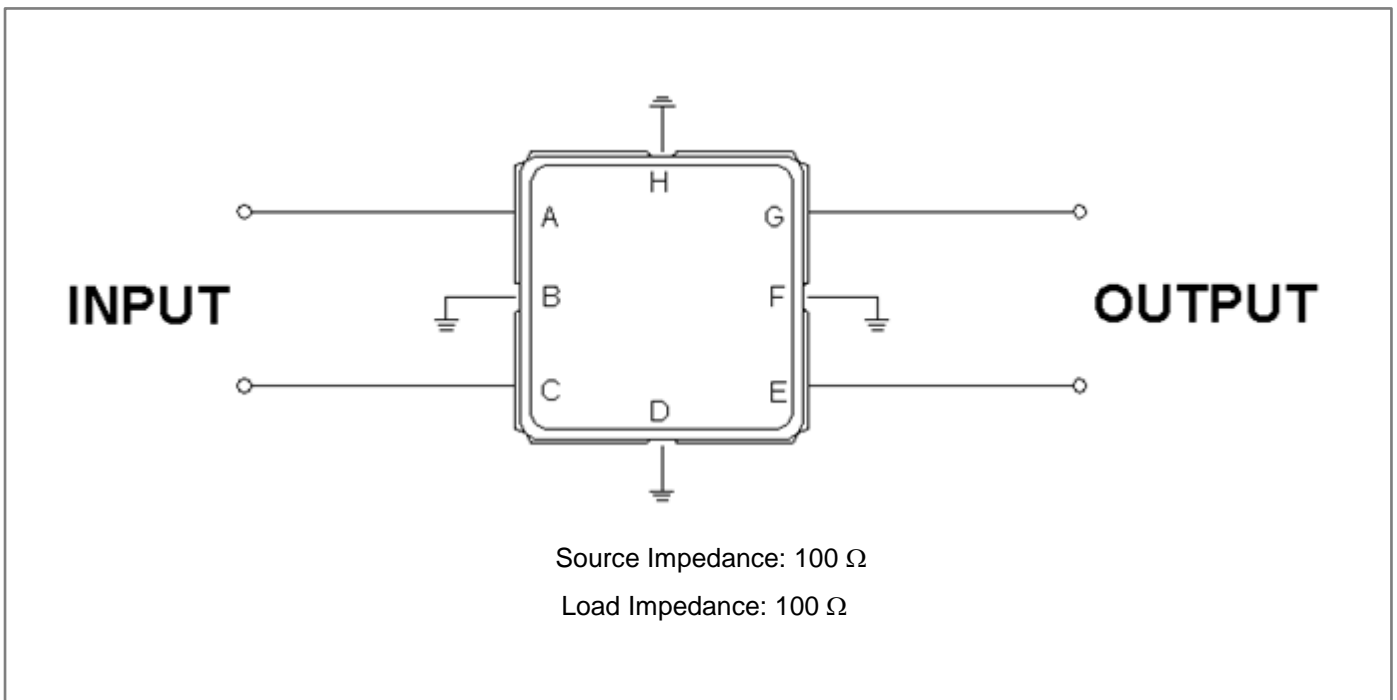
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	890.0	-
Insertion Loss within 881.0 ~ 899.0 MHz	dB	-	2.1	3.5
Amplitude Ripple within 881.0 ~ 899.0 MHz	dB _{p-p}	-	0.8	2.0
Group Delay Ripple within 881.0 ~ 899.0 MHz	ns _{p-p}	-	30	60
Attenuation:				
D.C. ~ 800.0 MHz	dB	35	45	-
800.0 ~ 855.0 MHz	dB	35	45	-
855.0 ~ 869.0 MHz	dB	15	43	-
911.0 ~ 915.0 MHz	dB	15	45	-
915.0 ~ 1080.0 MHz	dB	35	46	-
1080.0 ~ 5000.0 MHz	dB	10	17	-

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

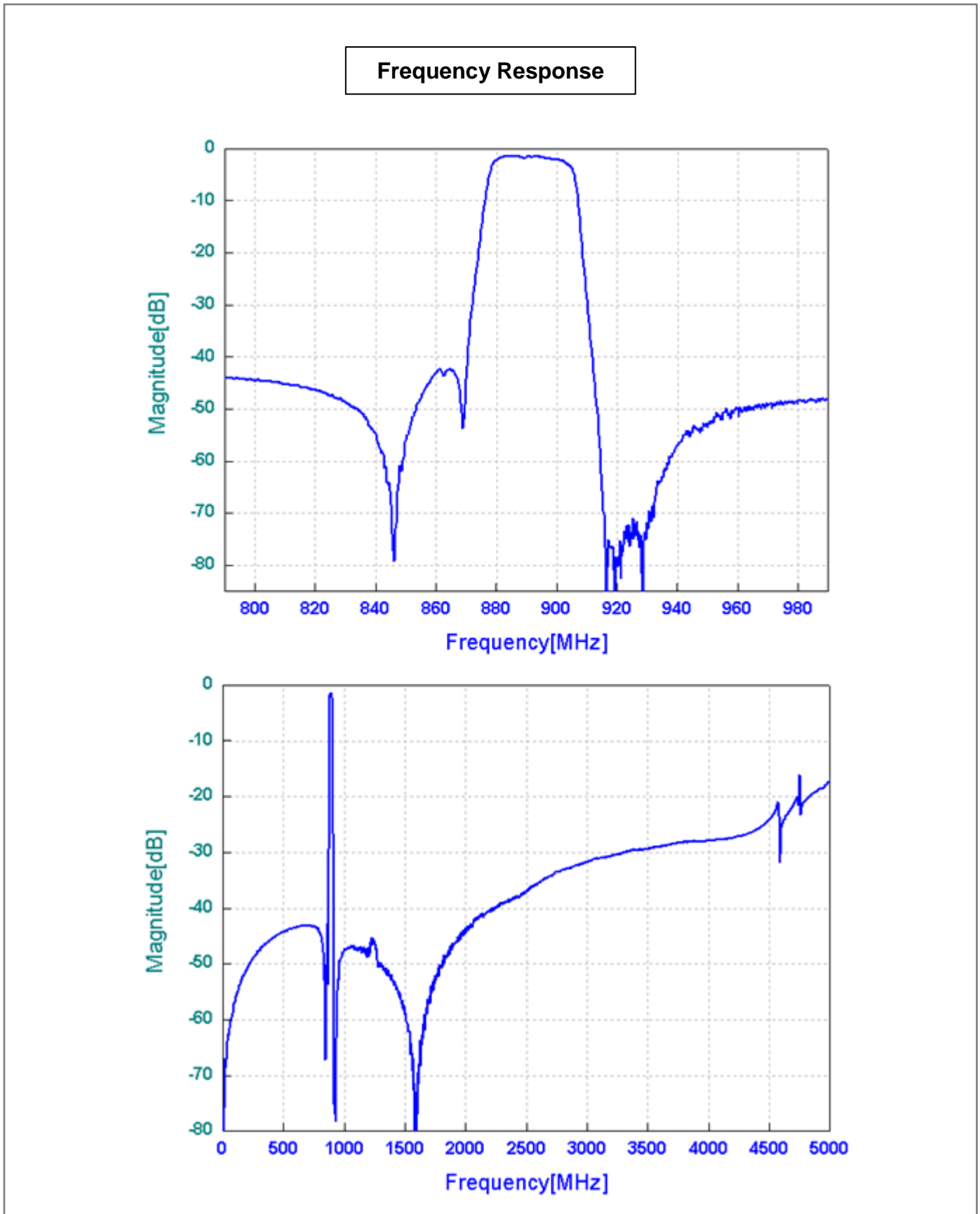
Package Dimensions



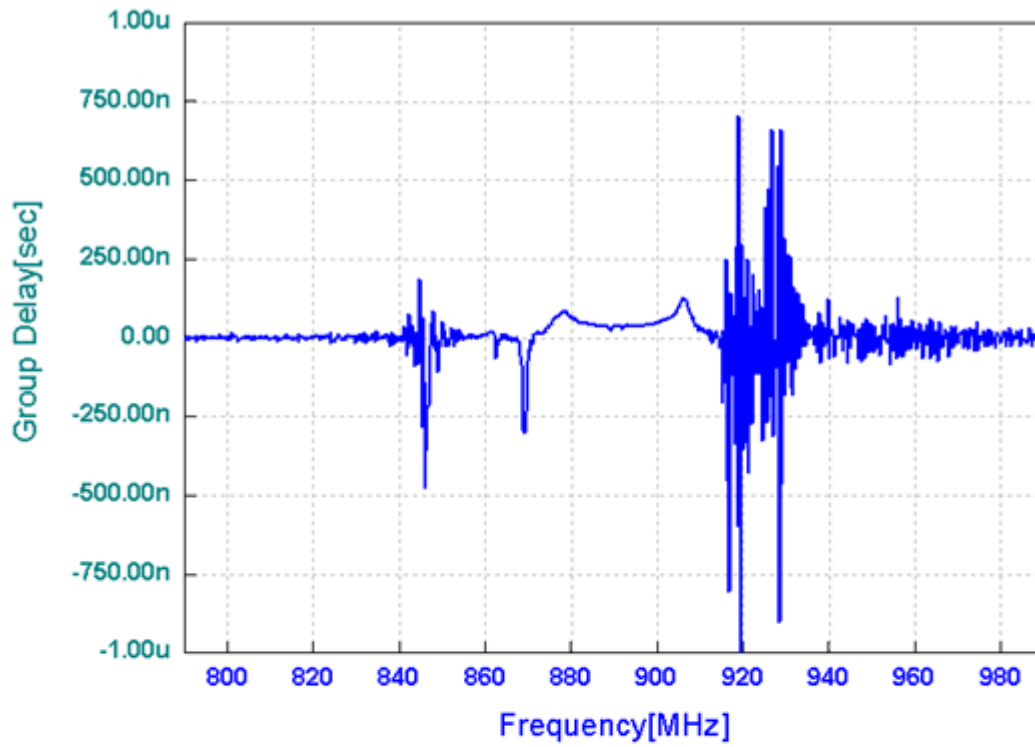
Testing Environment



Frequency Characteristics



Group Delay



Smith Chart

