

- Wireless, RF SAW Filter
- Revision 0: December 2009

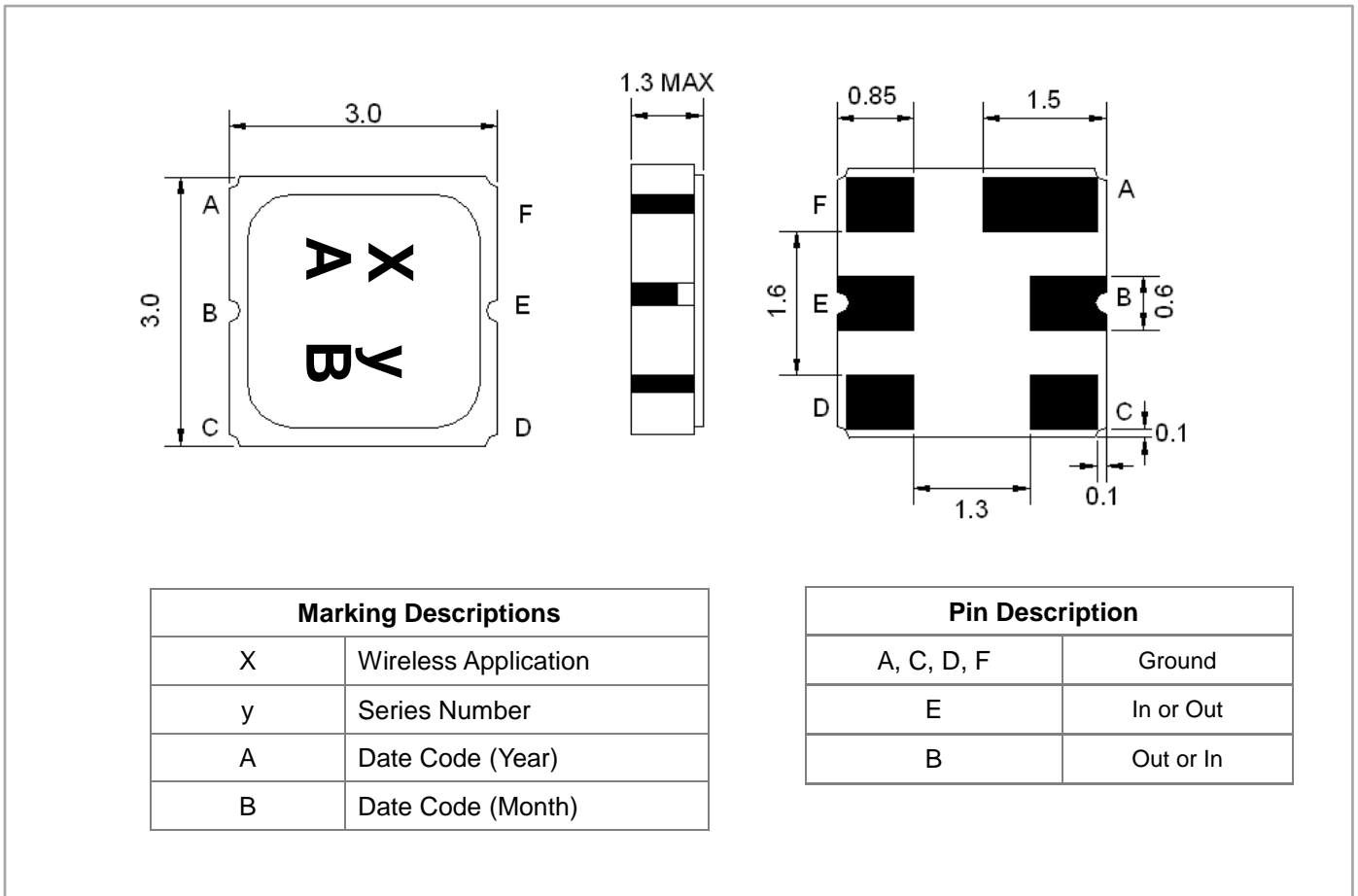
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	+70
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

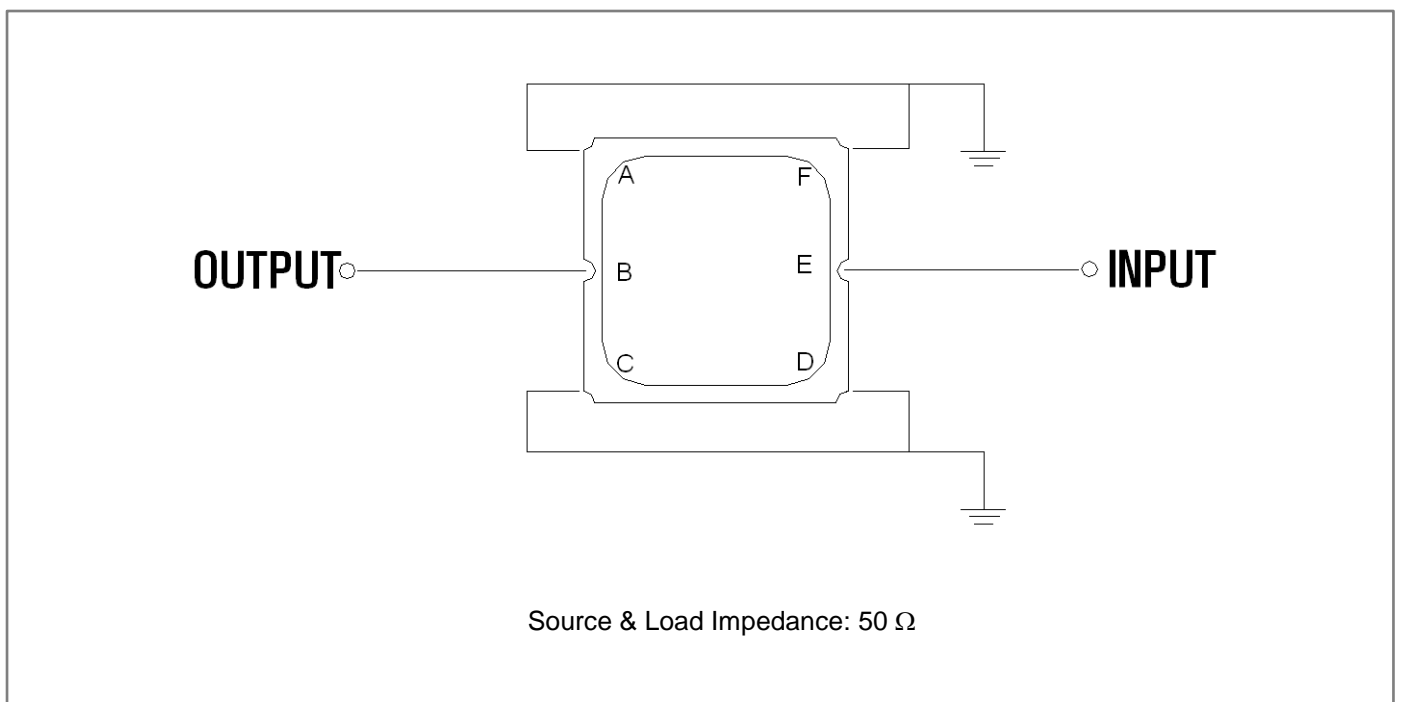
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	853.5	-
Insertion Loss within 843.5 ~ 863.5 MHz	dB	-	2.2	3.5
Group delay ripple within 843.5 ~ 863.5 MHz	ns _{p-p}	-	20	50
Amplitude Ripple within 843.5 ~ 863.5 MHz	dB _{p-p}	-	0.7	1.5
Attenuation:				
D.C. ~ 806 MHz	dB	45	55	-
806 ~ 811 MHz	dB	45	55	-
905 ~ 979 MHz	dB	35	45	-
1070 ~ 1089 MHz	dB	47	51	-
1089 ~ 3000 MHz	dB	27	32	-
VSWR within 843.5 ~ 863.5 MHz	-	-	1.9	2.5

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

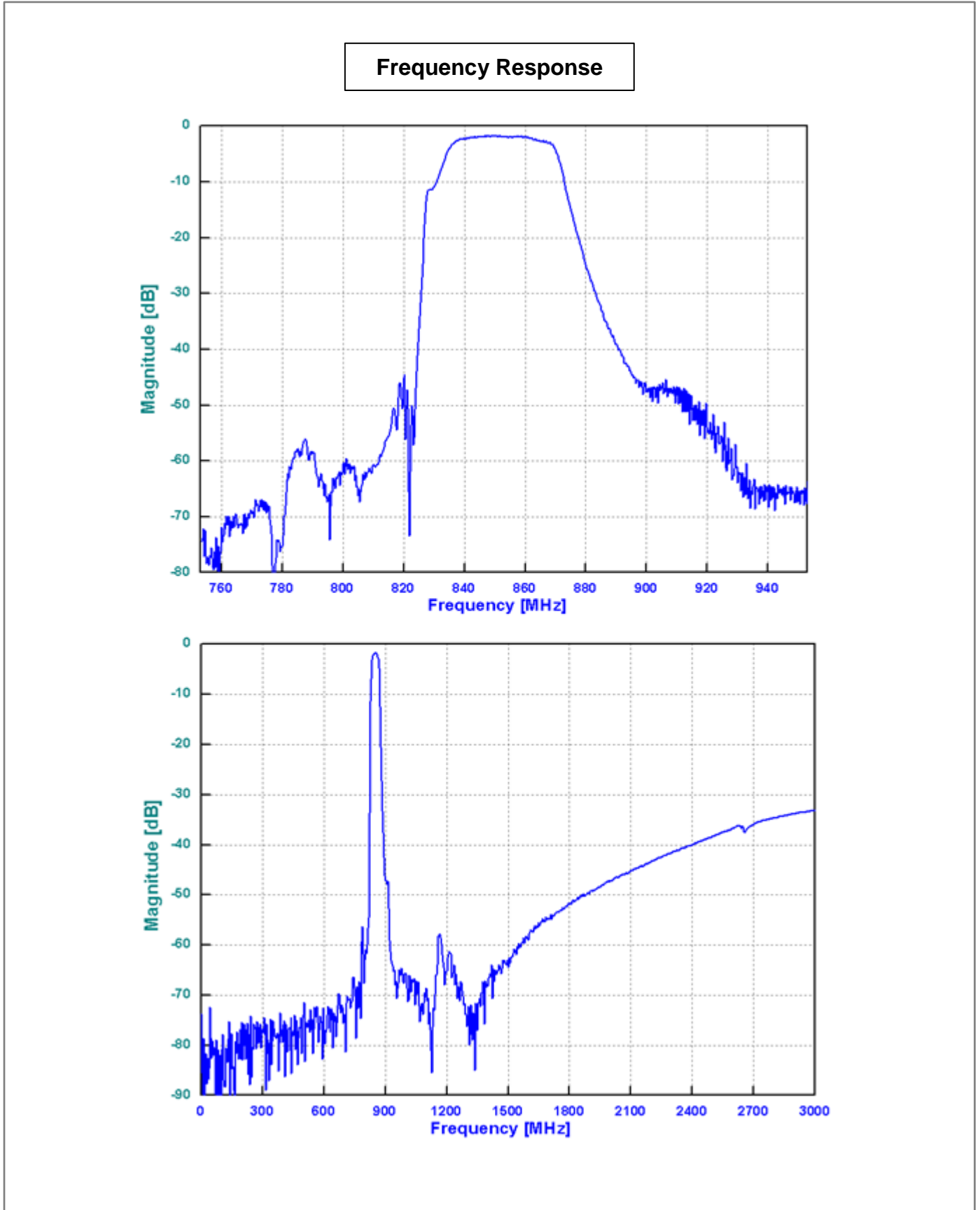
Package Dimensions



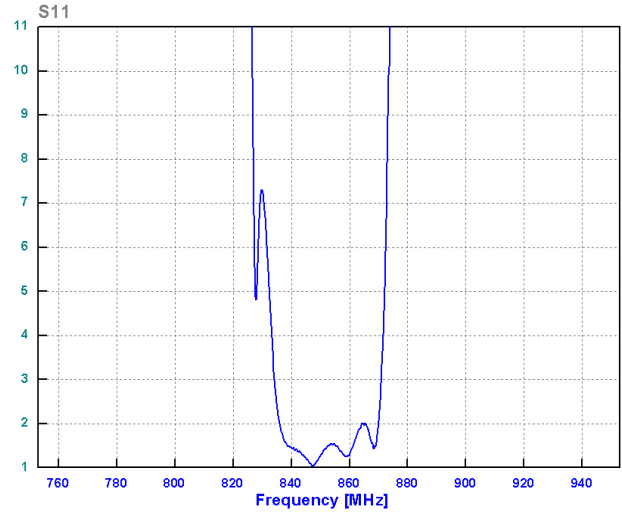
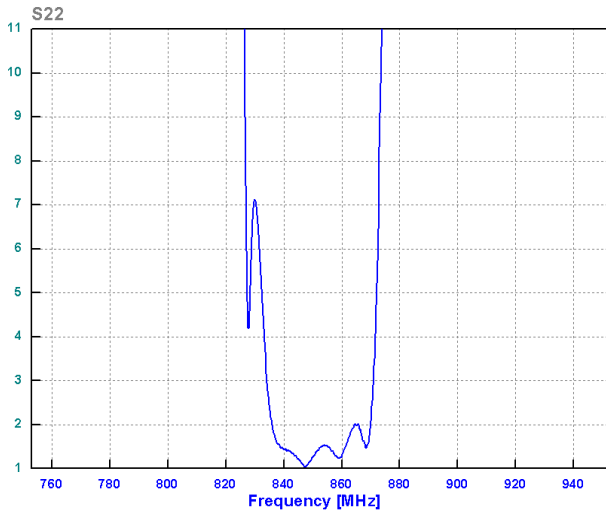
Testing Environment



Frequency Characteristics



VSWR



Smith Chart

