

- Wireless, RF SAW Filter
- Revision 0: October 2008

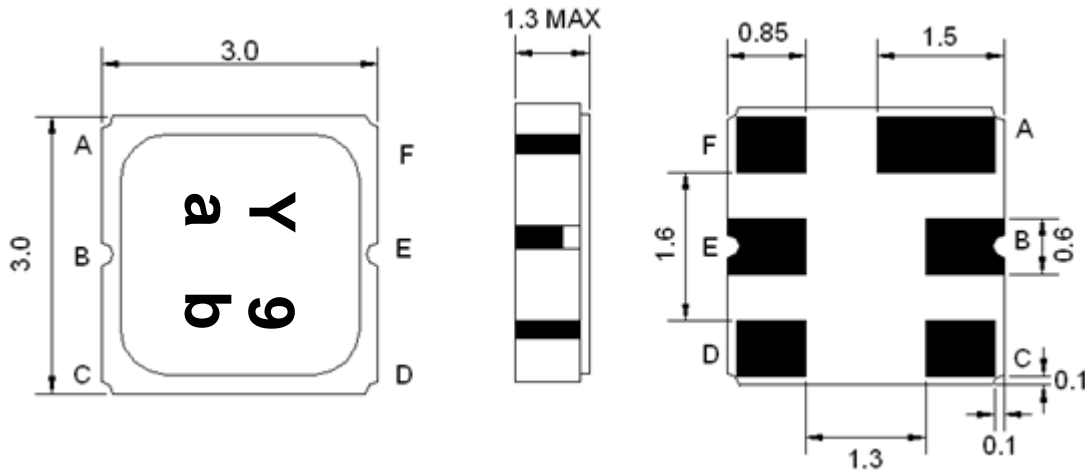
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	+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	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	-	1831.25	-
Insertion Loss within 1828.0 ~ 1834.5 MHz	dB	-	1.7	3.5
Amplitude Ripple within 1828.0 ~ 1834.5MHz	dB _{p-p}	-	0.3	1.0
Attenuation:				
1600.0 ~ 1720.0 MHz	dB	45	48	-
1720.0 ~ 1770.0 MHz	dB	40	46	-
1770.0 ~ 1791.25 MHz	dB	15	24	-
1881.25 ~ 1895.0 MHz	dB	45	55	-
1895.0 ~ 2200.0 MHz	dB	45	52	-
VSWR within 1828.0 ~ 1834.5 MHz	-	-	1.8	2.3

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

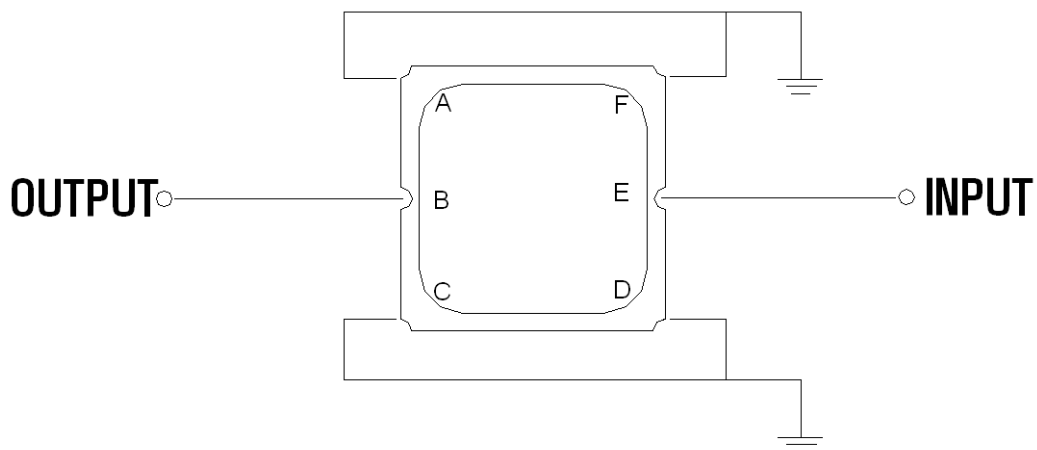
Package Dimensions



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

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

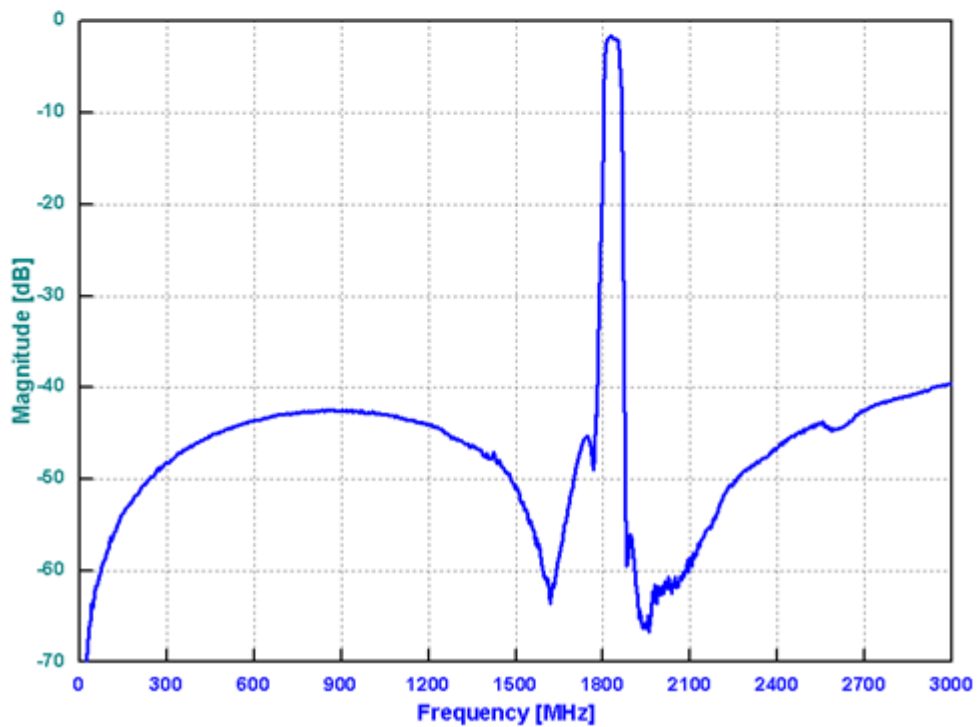
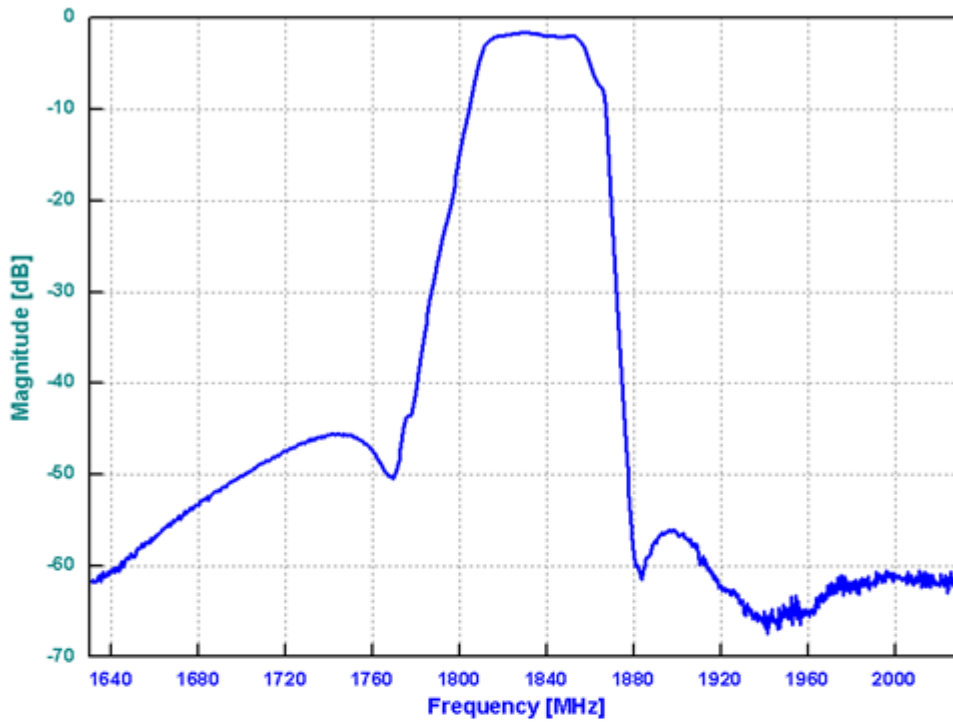
Testing Environment



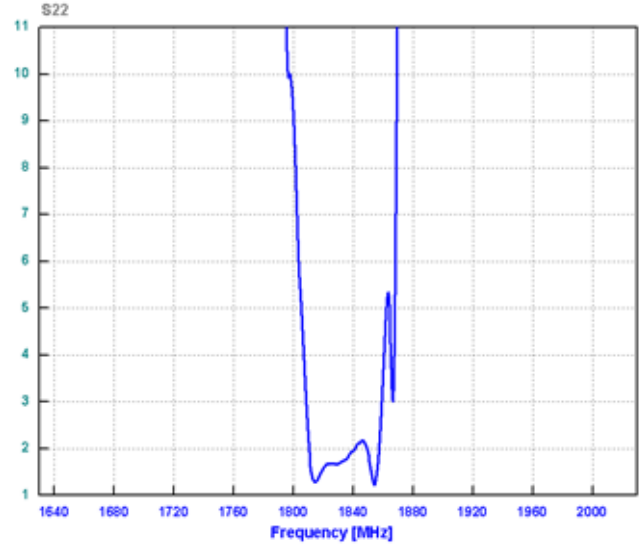
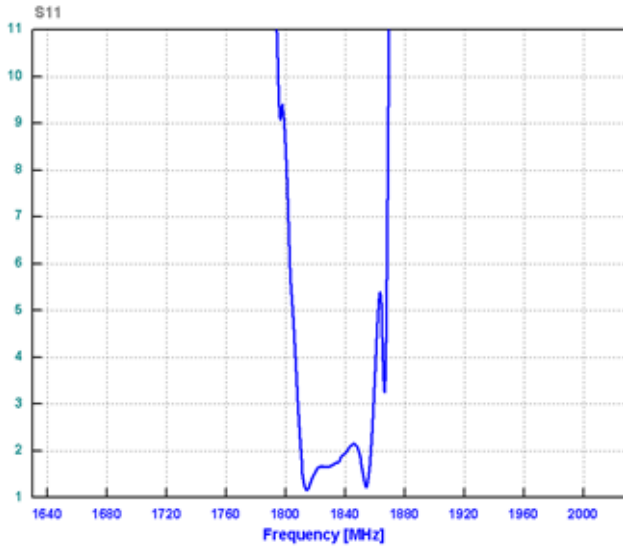
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

