



Total Solution Provider in Saw Device

SA1906AM

Wireless, RF SAW Filter
Revision 0: October 2008



- Electrical Characteristics
 - Package Dimensions
 - Testing Environment
 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

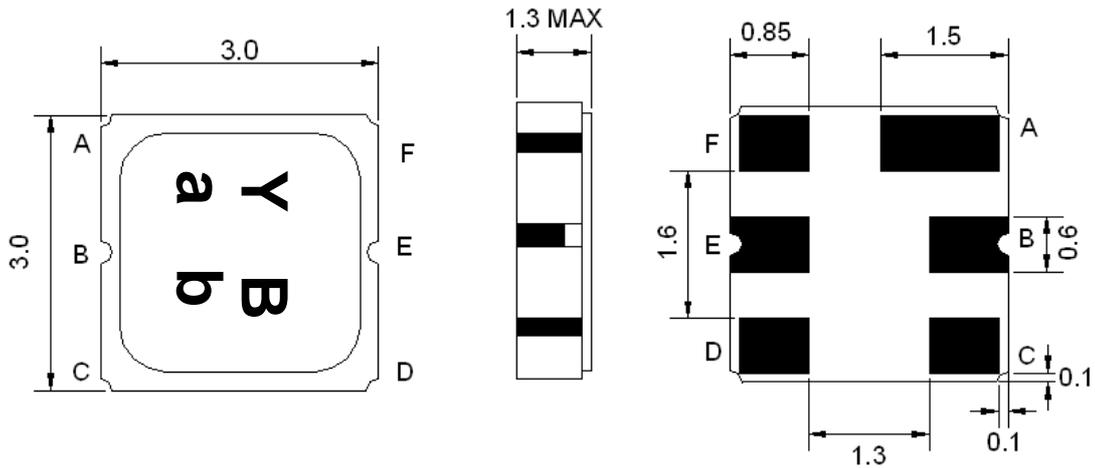
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	1906.5	-
Insertion Loss within 1894.0 ~ 1919.0 MHz	dB	-	1.4	3.0
Amplitude Ripple within 1894.0 ~ 1919.0MHz	dB _{p-p}	-	0.5	1.5
Attenuation:				
D.C ~ 1800.0 MHz	dB	25	30	-
1800.0 ~ 1849.0 MHz	dB	10	15	-
1849.0 ~ 1874.0 MHz	dB	1	2.5	-
1939.0 ~ 1984.0 MHz	dB	1	4	-
1984.0 ~ 2104.0 MHz	dB	37	42	-
2104.0 ~ 3000.0 MHz	dB	37	42	-
VSWR within 1894.0 ~ 1919.0 MHz	-	-	1.5	2.0

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

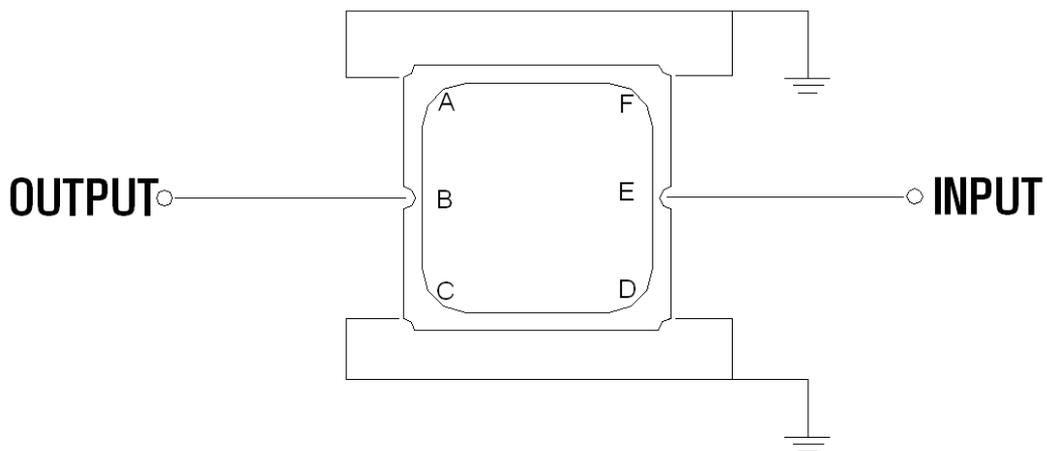
Package Dimensions



Marking Descriptions	
Y	Wireless Application
B	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

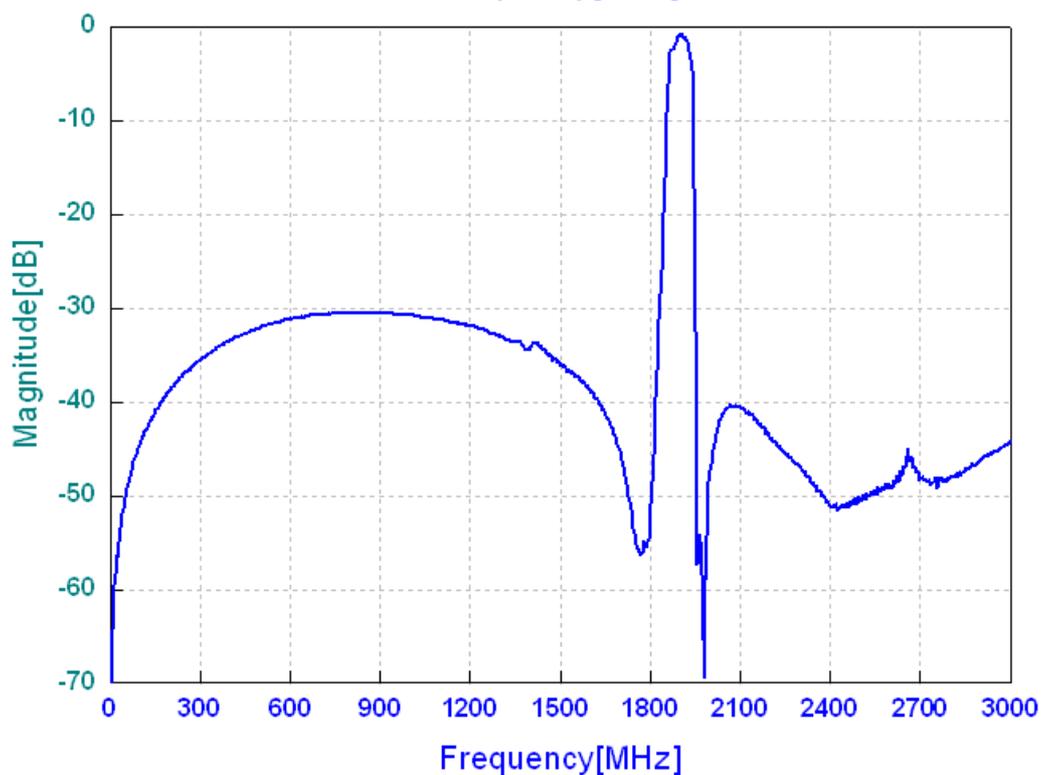
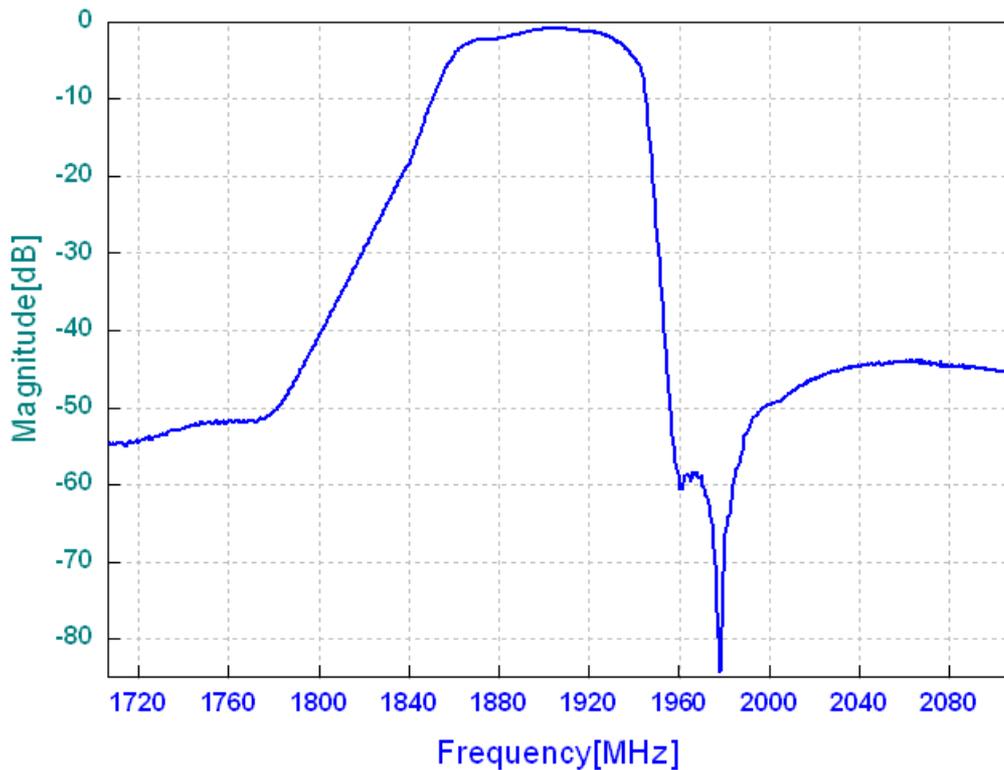
Testing Environment



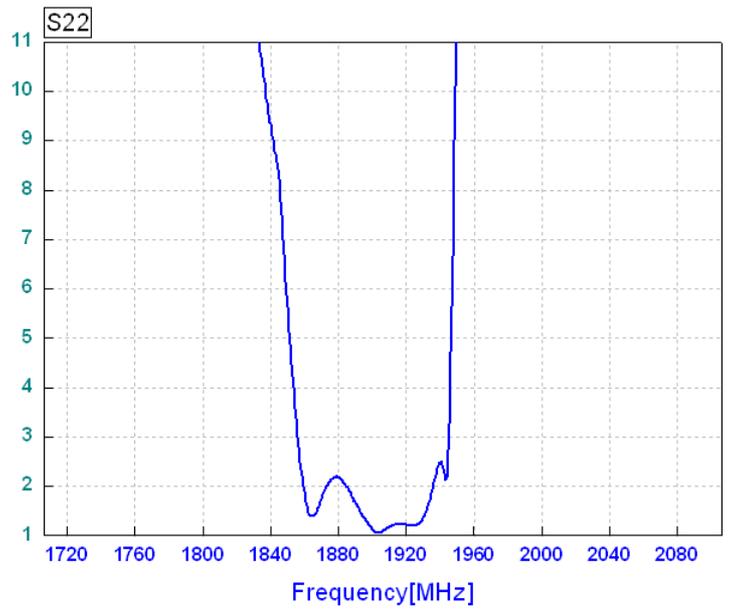
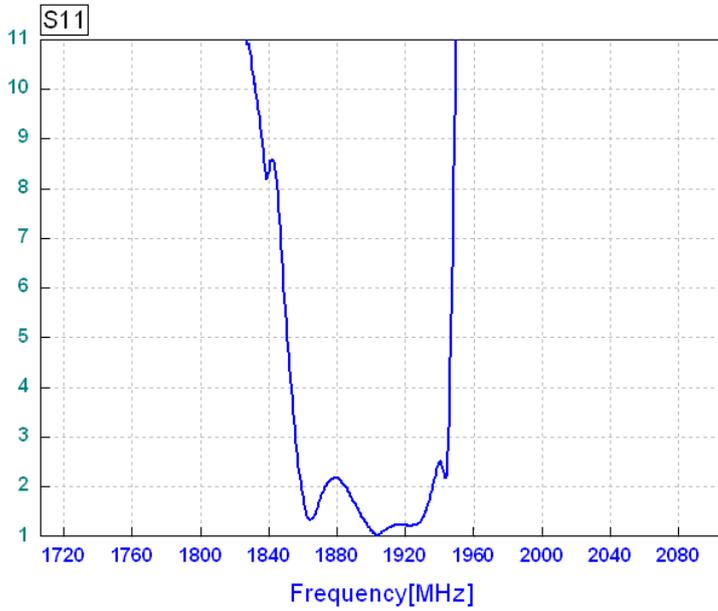
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

