



*Total Solution Provider in Saw Device*

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# SA1911BM

Wireless, RF SAW Filter  
Revision 0: December 2009



- Electrical Characteristics
  - Package Dimensions
  - Testing Environment
  - Frequency Characteristics
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**SAWNICS Inc.**

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460 Cheonheung-ri, Seonggeo-eup, Cheonan-si, Chungcheongnam-do, 330-836 / Korea.  
Tel: +82 41 550 9372 / Fax: +82 41 550 9399 / [www.sawnics.com](http://www.sawnics.com)

## □ Electrical Characteristics

### Maximum Ratings

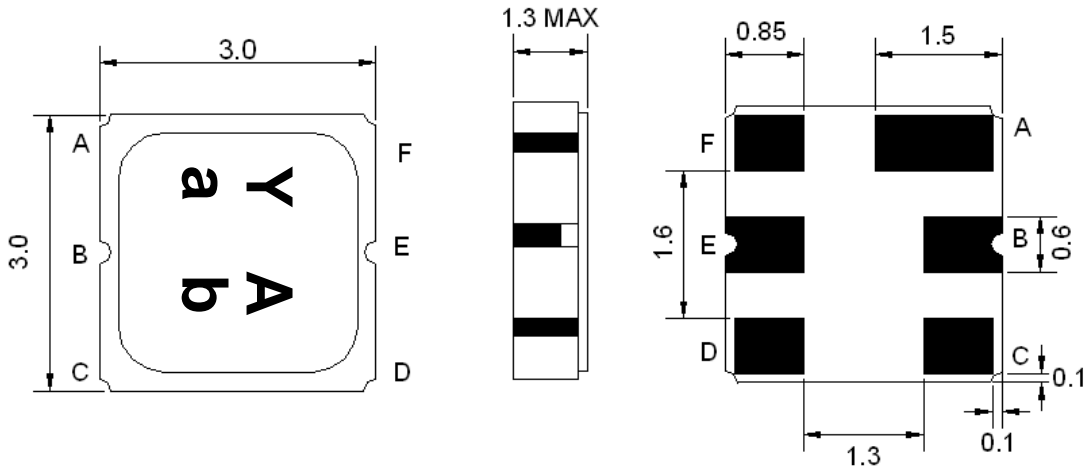
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	M			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1911.25	-
Insertion Loss within 1906.25 ~ 1916.25 MHz	dB	-	1.3	3.5
Amplitude Ripple within 1906.25 ~ 1916.25 MHz	dB <sub>p-p</sub>	-	0.3	1.0
<b>Attenuation:</b>				
1600.0 ~ 1800.0 MHz	dB	45	47	-
1800.0 ~ 1850.0 MHz	dB	40	42	-
1850.0 ~ 1871.25 MHz	dB	15	18	-
1961.25 ~ 1975.0 MHz	dB	45	55	-
1975.0 ~ 2300.0 MHz	dB	45	52	-
VSWR within 1906.25 ~ 1916.25 MHz	-	-	1.3	2.0

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

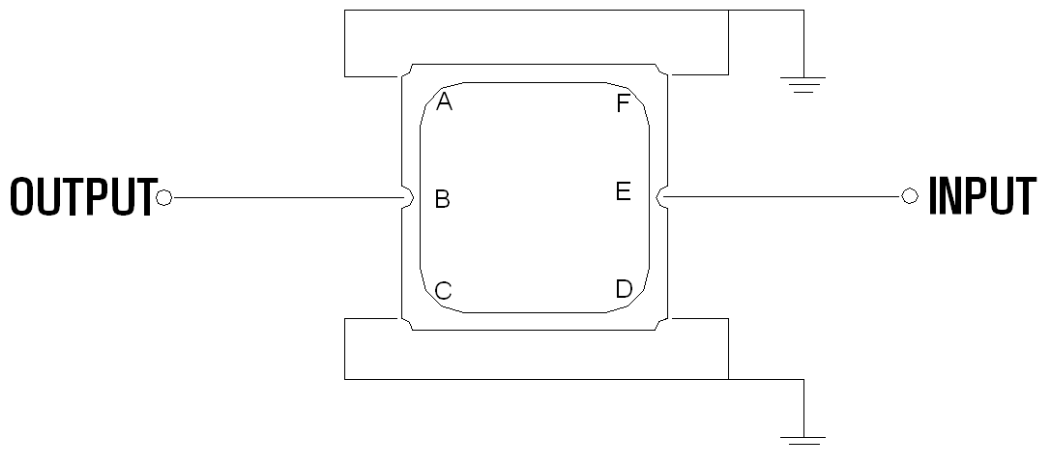
**Package Dimensions**



Marking Descriptions	
Y	Wireless Application
A	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

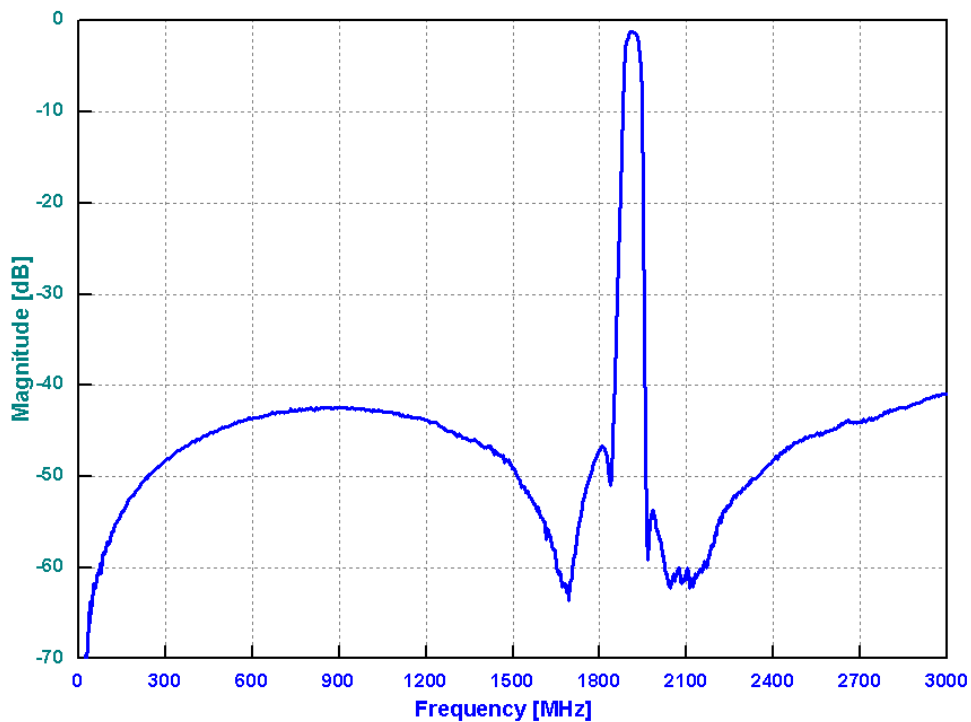
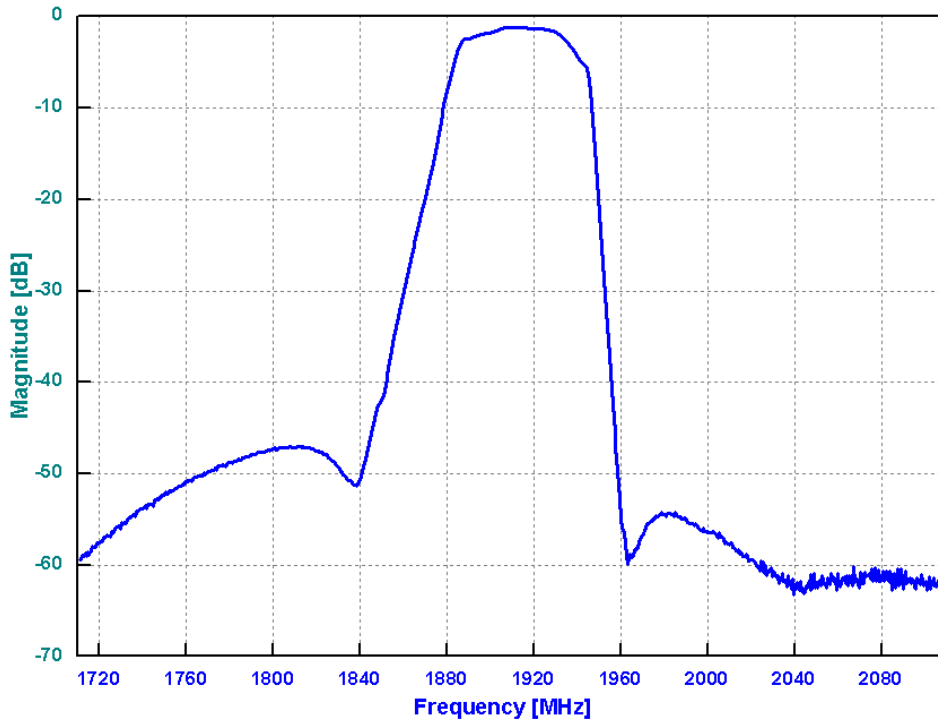
**Testing Environment**



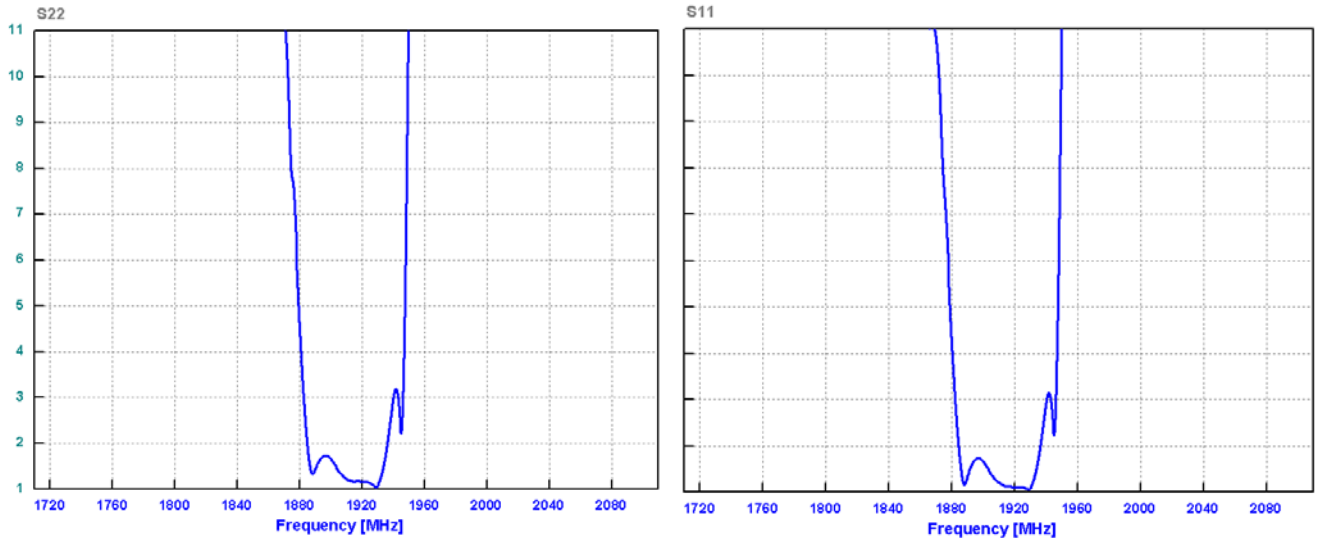
Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

Frequency Response



### VSWR



### Smith Chart

