



*Total Solution Provider in Saw Device*

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# SA880AM

Wireless, RF SAW Filter  
Revision 0: December 2008



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

### Maximum Ratings

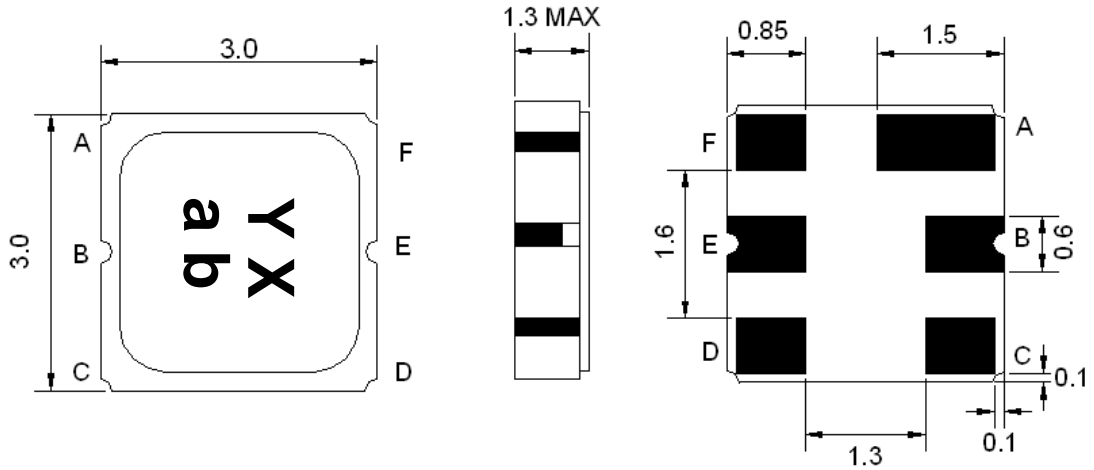
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package 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	-	880.0	-
Insertion Loss within 875.0~885.0MHz	dB	-	2.2	3.0
Amplitude Ripple within 875.0~885.0MHz	dB <sub>p-p</sub>	-	0.6	1.2
<b>Attenuation</b>				
0.3 ~ 835.1 MHz	dB	45	50	-
835.1 ~ 865.1 MHz	dB	25	30	-
894.9 ~ 900.0 MHz	dB	25	40	-
900.0 ~ 924.9 MHz	dB	40	45	-
924.9 ~ 1200.0 MHz	dB	45	50	-
VSWR within 875.0~885.0MHz	-	-	1.4	2.0

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

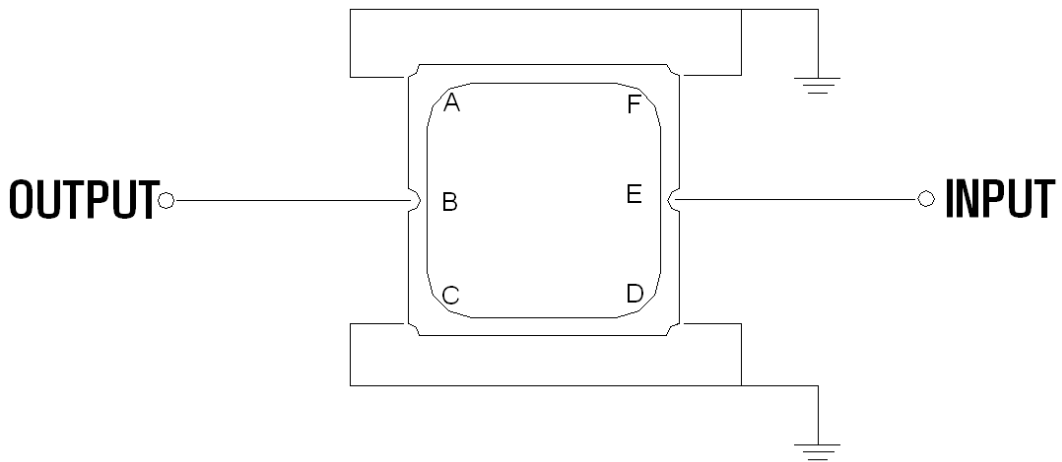
**Package Dimensions**



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

Pin Description	
A, C, D, F	Ground
E	Input or Output
B	Output or Input

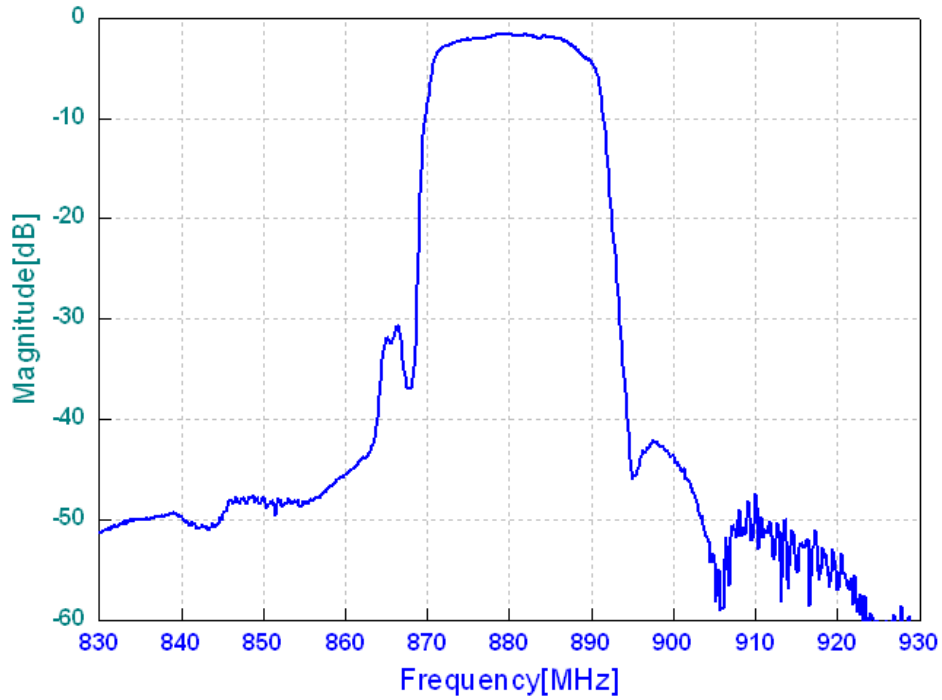
**Testing Environment**



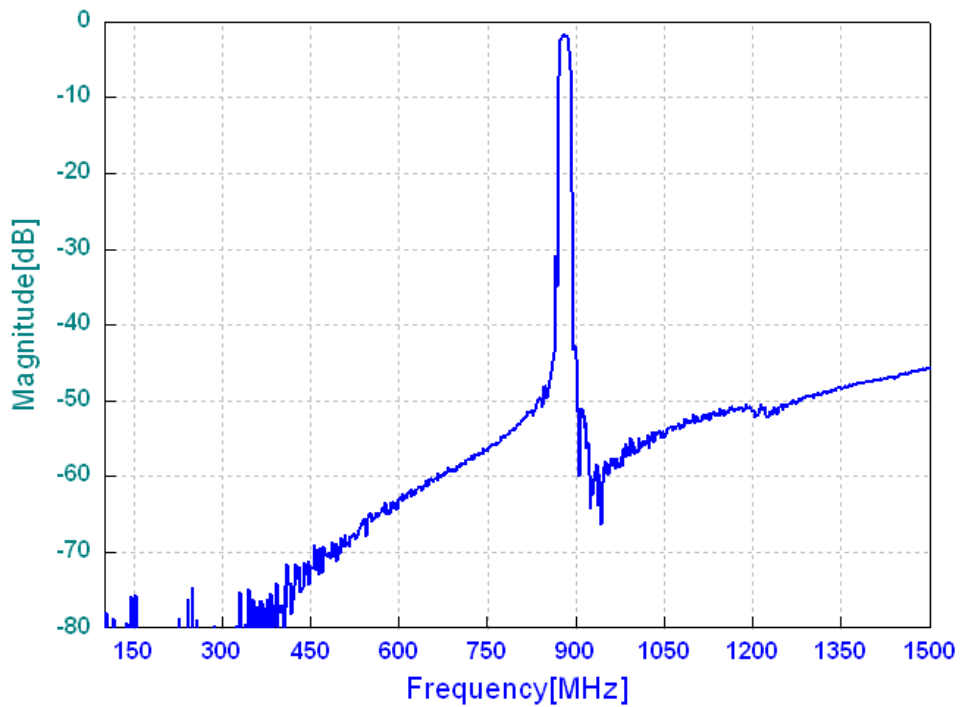
Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

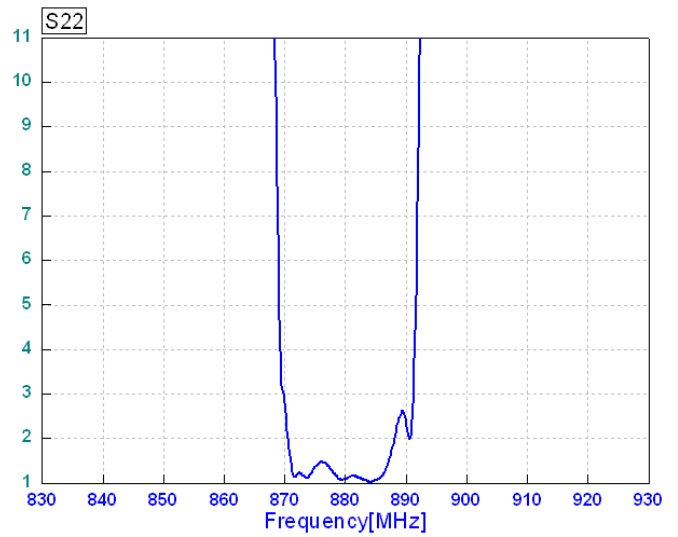
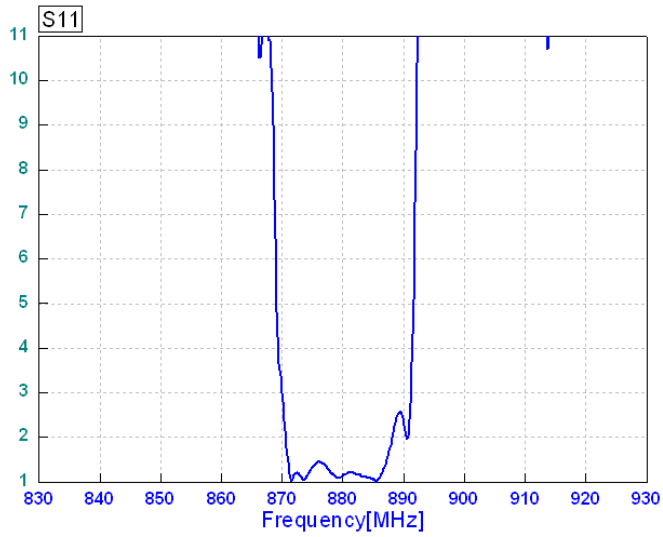
Frequency Response



d



**VSWR**



**Smith Chart**

