



*Total Solution Provider in Saw Device*

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# SA784AP

Wireless, RF SAW Filter  
Revision 0: January 2009



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

### Maximum Ratings

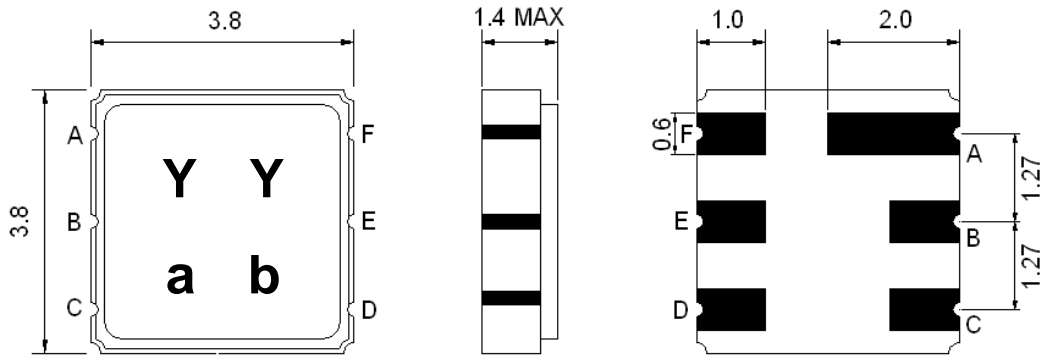
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	P			
Length x Width	mm <sup>2</sup>	-	3.8 x 3.8	-
Height	mm	-	-	1.4

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	784.0	-
Insertion Loss within 782.0 ~ 786.0 MHz	dB	-	2.2	3.0
Amplitude Ripple within 782.0 ~ 786.0 MHz	dB	-	0.5	1.0
-40dB Bandwidth	MHz	-	22	30
<b>Attenuation:</b>				
720.0~769.0 MHz	dB	40	44	-
799.0~840.0 MHz	dB	40	50	-
VSWR within 782.0 ~ 786.0 MHz	-	-	1.3	2.0

**Notes :** (1) No Matching Network

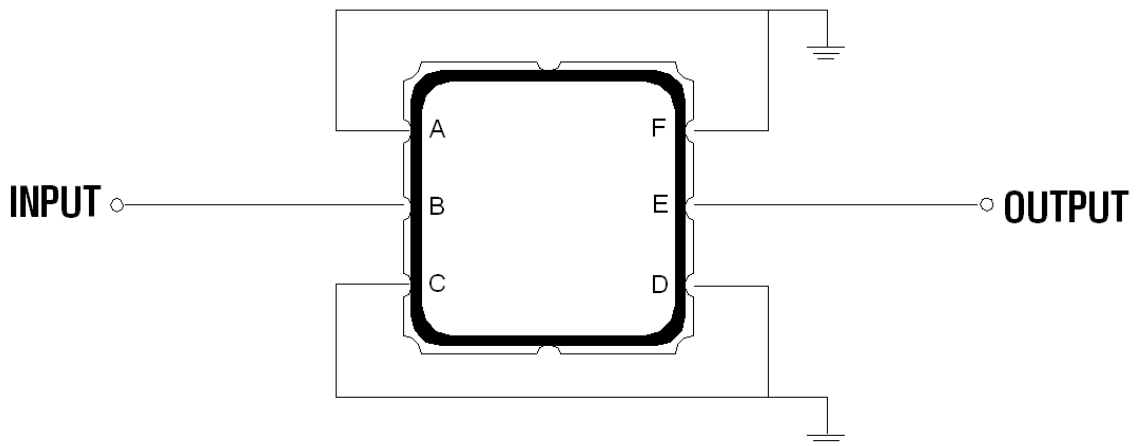
**Package Dimensions**



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

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

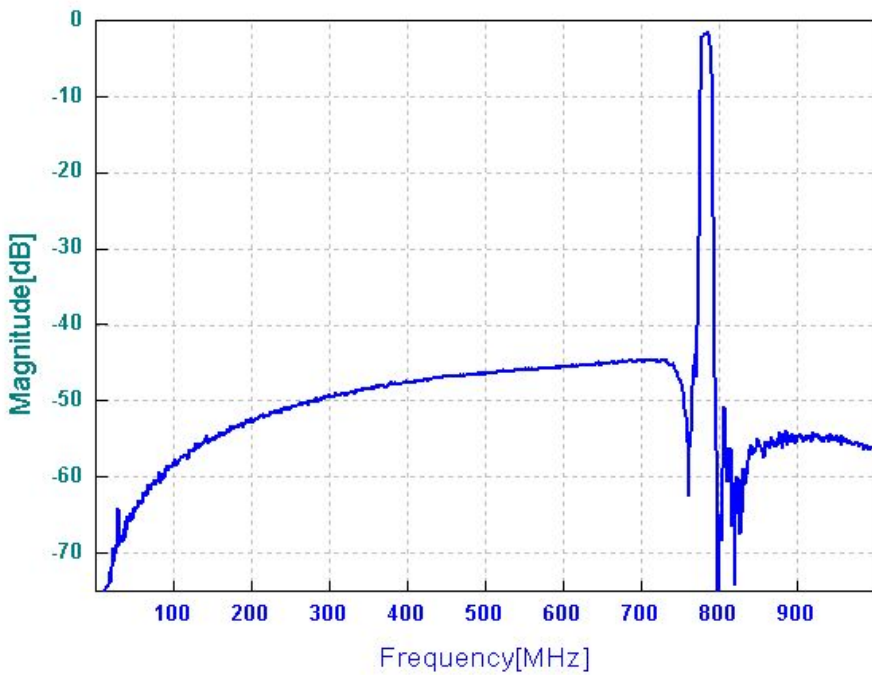
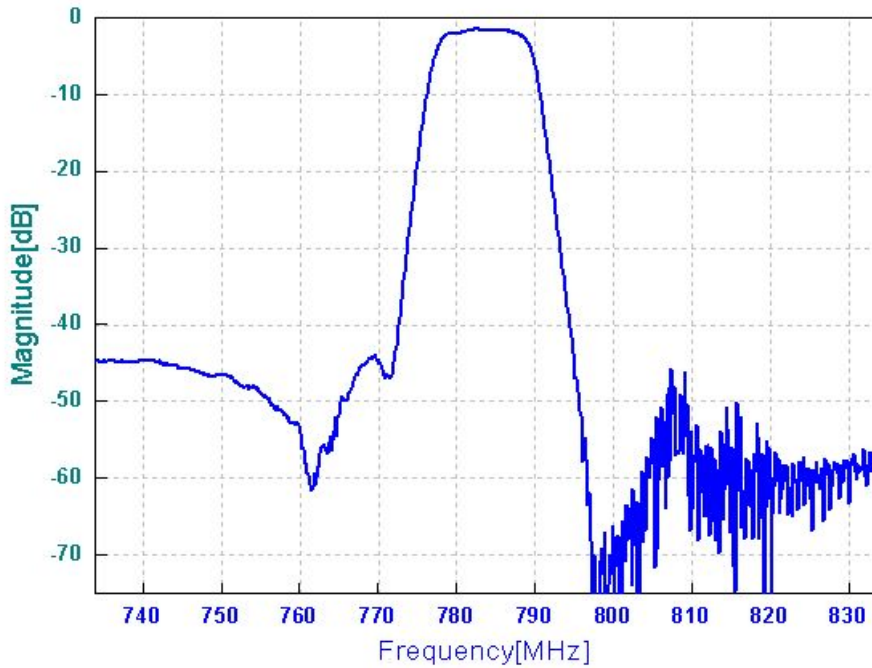
**Testing Environment**



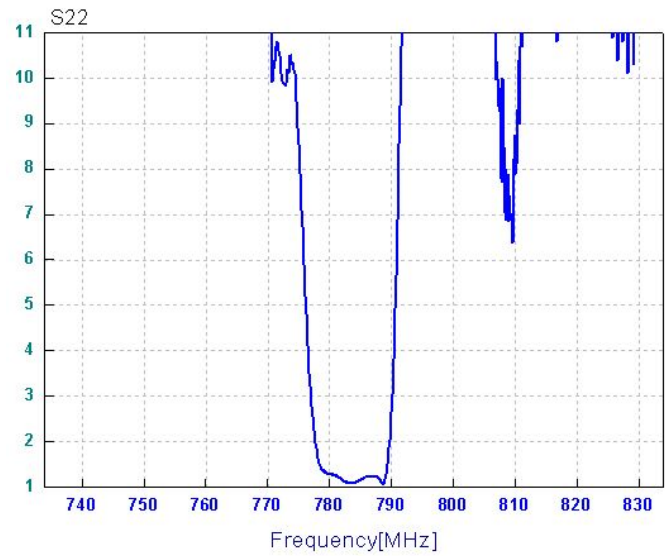
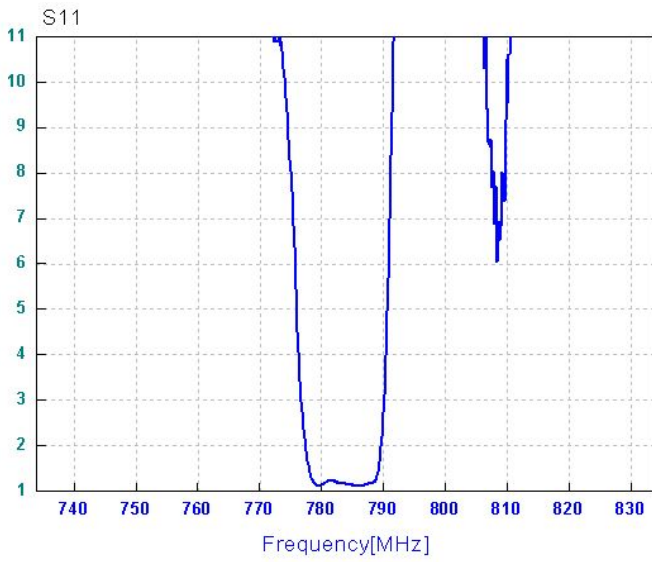
Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

Frequency Response



### VSWR



### Smith Chart

