



*Total Solution Provider in Saw Device*

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# SA746BP

Wireless, RF SAW Filter  
Revision 0: JUNE 2008



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

**Maximum Ratings**

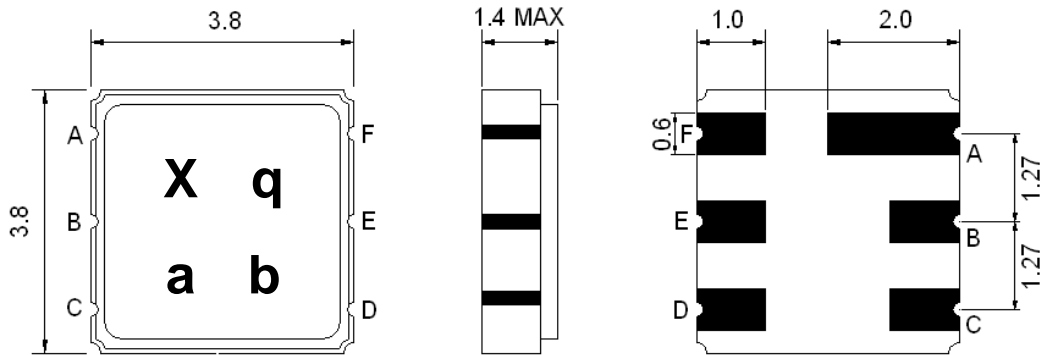
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package 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	-	746.0	-
Insertion Loss in 740.0 ~ 752.0 MHz	dB	-	2.0	3.0
Amplitude Ripple in 740.0 ~ 752.0 MHz	dB	-	0.5	1.5
Group Delay Variation in 740.0 ~ 752.0 MHz	nsec	-	15	-
Absolute Group Delay at Fo	nsec	-	45	-
<b>Attenuation:</b>				
Fo - 150.0 MHz ~ Fo - 40.0 MHz	dB	45	55	-
Fo + 60.0 MHz ~ Fo + 150.0 MHz	dB	45	55	-
VSWR in 740.0 ~ 752.0 MHz	-	-	1.5	2.5

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

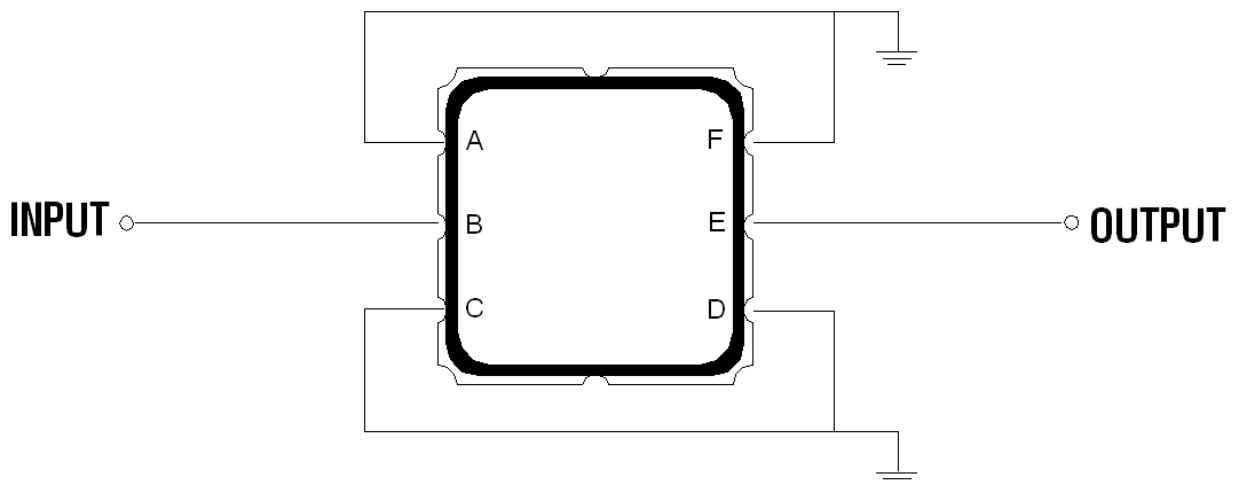
**Package Dimensions**



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

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

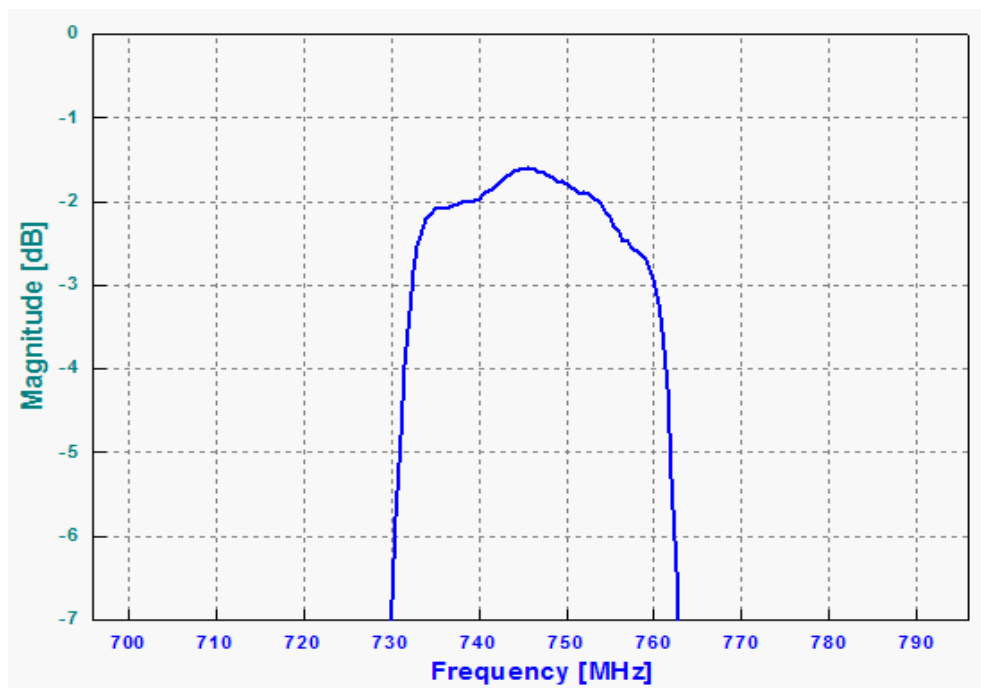
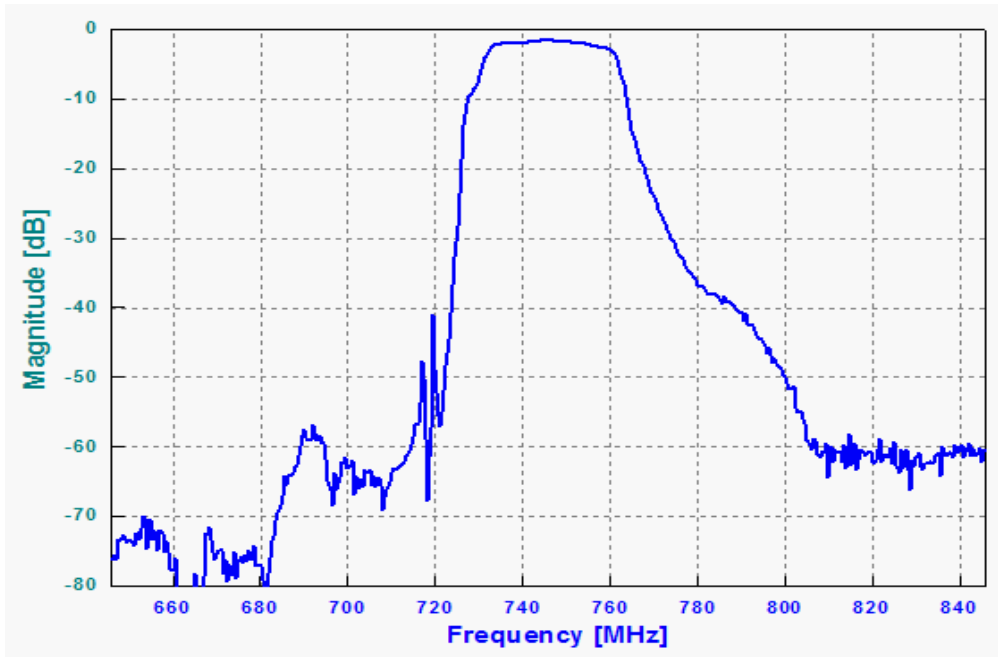
**Testing Environment**



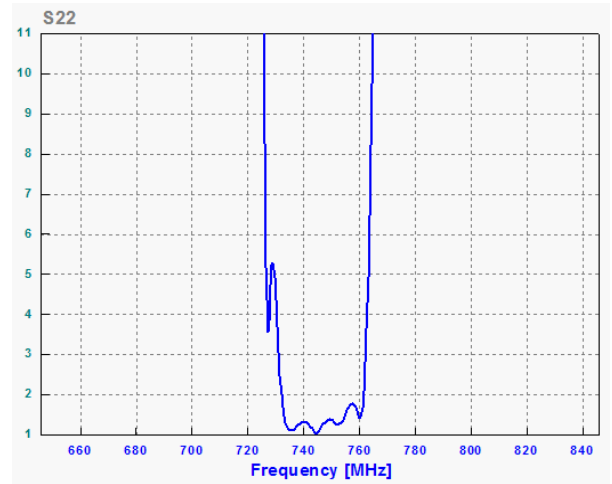
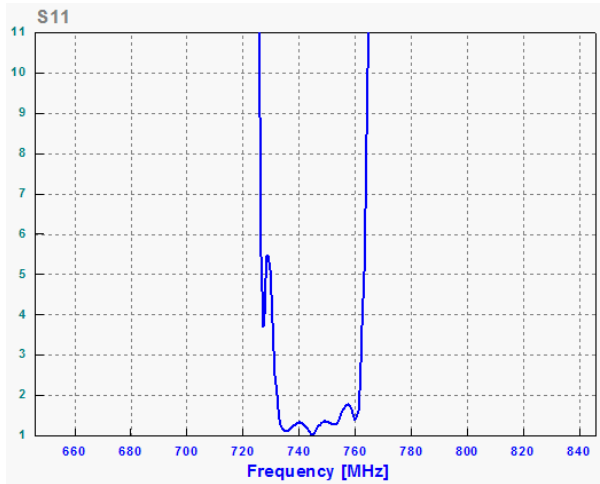
Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

Frequency Response



### VSWR



### Smith Chart

