



*Total Solution Provider in Saw Device*

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# SA409AP

Wireless, RF SAW Filter  
Revision 0:



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

### Maximum Ratings

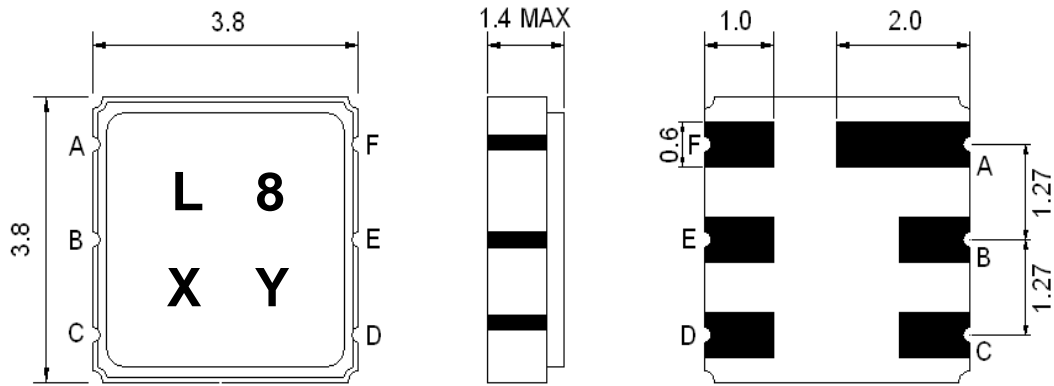
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-10	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package 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	-	409.0	-
Insertion Loss within 407.0 ~ 411.0 MHz	dB	-	2.5	3.5
Amplitude Ripple within 407.0 ~ 411.0 MHz	dB <sub>p-p</sub>	-	0.8	1.5
<b>Attenuation:</b>				
Fo-200 ~ Fo-42.8 MHz	dB	48	53	-
Fo+42.8 ~ Fo+200 MHz	dB	48	52	-

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

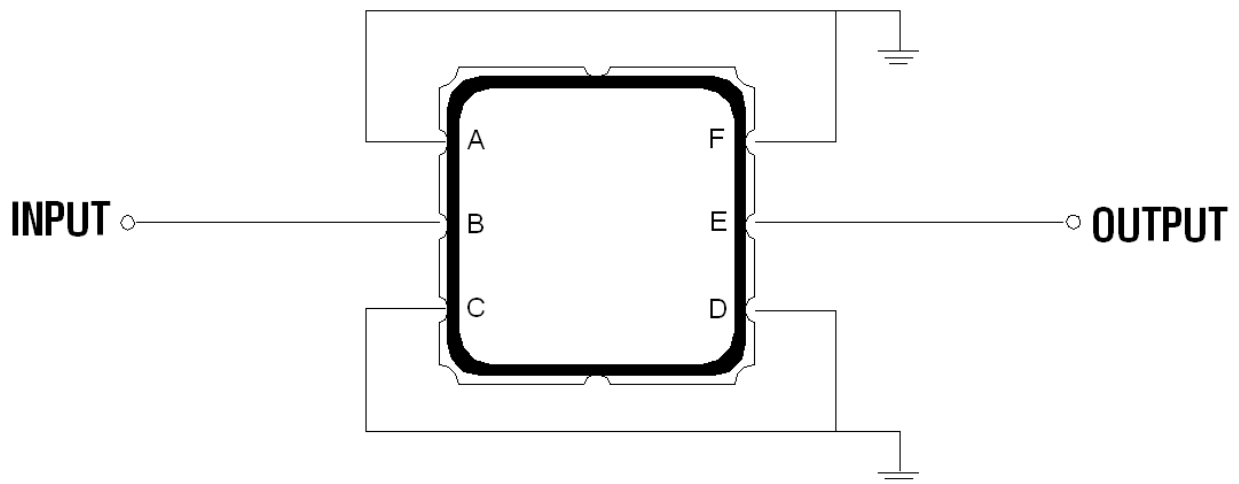
**□ Package Dimensions**



Marking Descriptions	
L	Wireless Application
8	Series Number
X	Date Code(Year)
Y	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

