



*Total Solution Provider in Saw Device*

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# SA320AP1

Wireless, RF SAW Filter  
Revision 0: OCTOBER 2007



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

### Maximum Ratings

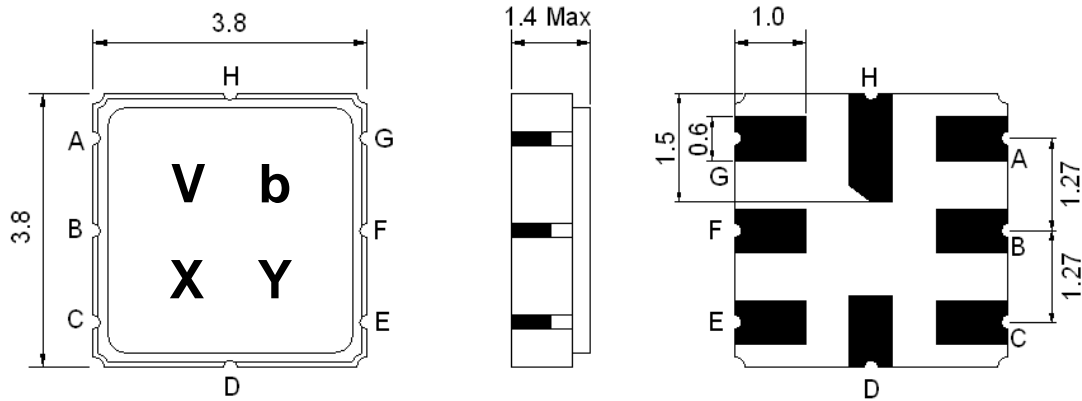
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+70
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	P1			
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	-	320.0	-
Insertion Loss within 311.5 ~ 328.5 MHz	dB	-	3.2	4.5
Amplitude Ripple within 311.5 ~ 328.5 MHz	dB	-	1.8	3.0
<b>Attenuation</b>				
D.C. ~ 290.0 MHz	dB	45	55	-
290.0 ~ 300.0 MHz	dB	20	28	-
345.0 ~ 360.0 MHz	dB	20	25	-
360.0 ~ 390.0 MHz	dB	30	43	-
390.0 ~ 650.0 MHz	dB	40	43	-

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

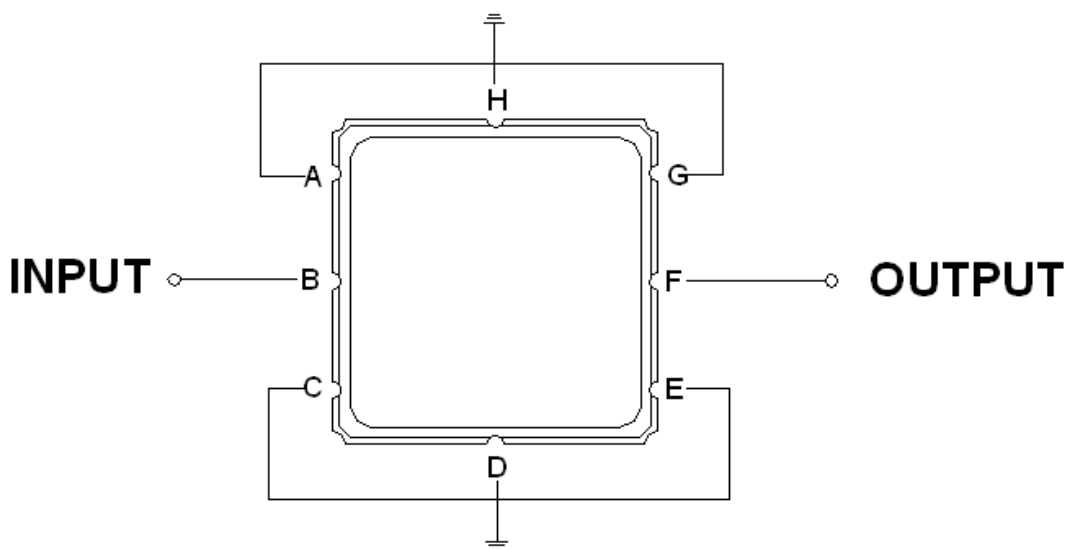
**Package Dimensions**



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

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

**Testing Environment**



Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

Frequency Response

