



*Total Solution Provider in Saw Device*

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# SA2132BM

Wireless, RF SAW Filter  
Revision 0: November 2007



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

### Maximum Ratings

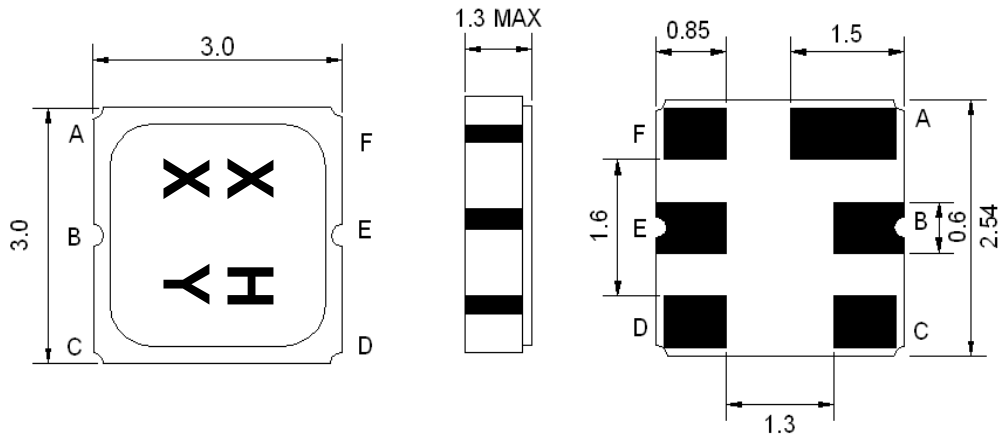
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-20	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power within 2110.0 ~ 2155.0 MHz	dBm	-	10	-
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <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	-	2132.5	-
Insertion Loss within 2110.0 ~ 2155.0 MHz	dB	-	2.2	3.0
Amplitude Ripple within 2110.0 ~ 2155.0 MHz	dB <sub>p-p</sub>	-	1.3	2.0
Return Loss within 2110.0 ~ 2155.0 MHz	dB	5.5	6.5	-
<b>Attenuation:</b>				
1710.0 ~ 1755.0 MHz	dB	35	38	-
2278.5 ~ 2338.5 MHz	dB	40	43	-
2447.0 ~ 2507.0 MHz	dB	40	45	-
3000.0 ~ 3800.0 MHz	dB	22	35	-

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

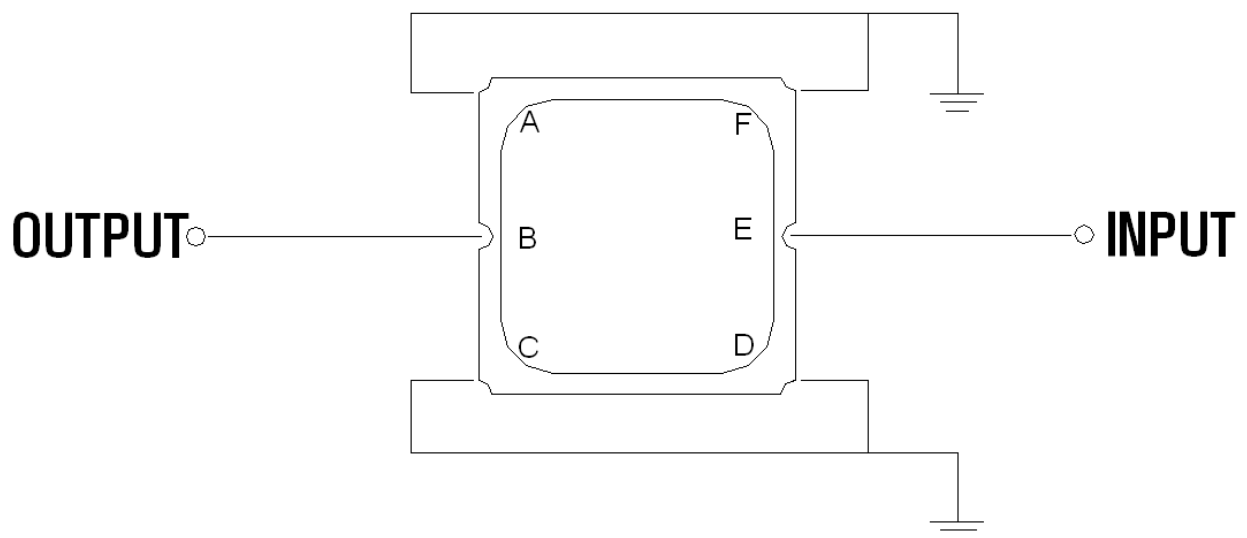
**Package Dimensions**



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

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

**Testing Environment**



Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

Frequency Response

