



*Total Solution Provider in Saw Device*

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# SA1321AM

WIRELESS , RF SAW Filter  
Revision 0: October 2008



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

### Maximum Ratings

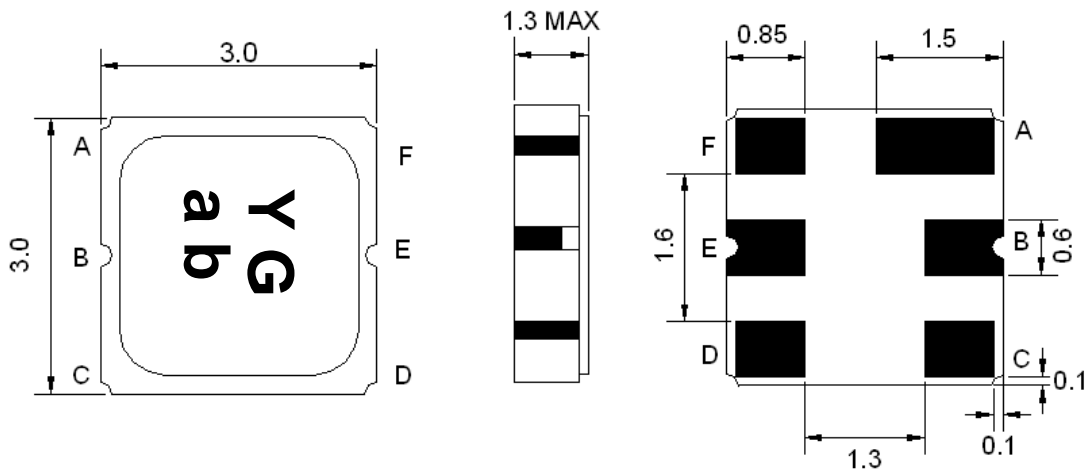
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-25	-	+75
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	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	-	1321.0	-
Insertion Loss within 1311.0 ~ 1331.0 MHz	dB	-	1.0	2.0
Amplitude Ripple within 1311.0 ~ 1331.0 MHz	dB <sub>p-p</sub>	-	0.2	1.0
<b>Attenuation:</b>				
D.C ~ 1250.0 MHz	dB	15	18	-
1380.0~ 1400.0 MHz	dB	18	27	-
1400.0~ 1600.0 MHz	dB	15	20	-
VSWR within 1311.0 ~ 1331.0 MHz	-	-	1.6	2.0

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

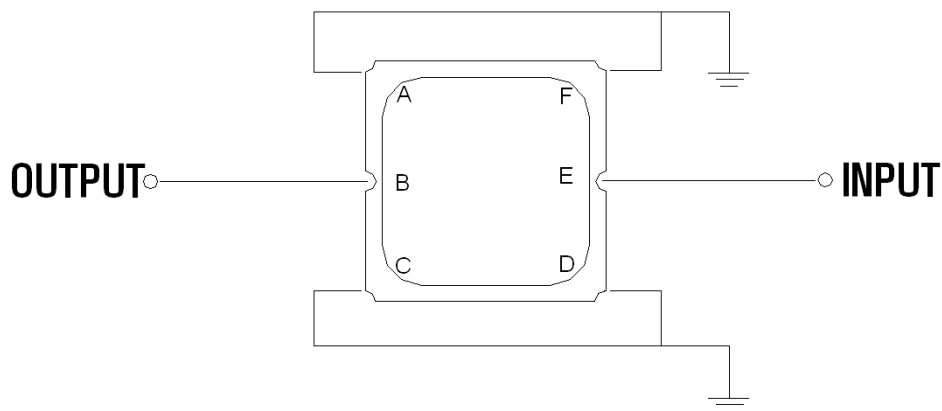
### Package Dimensions



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

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

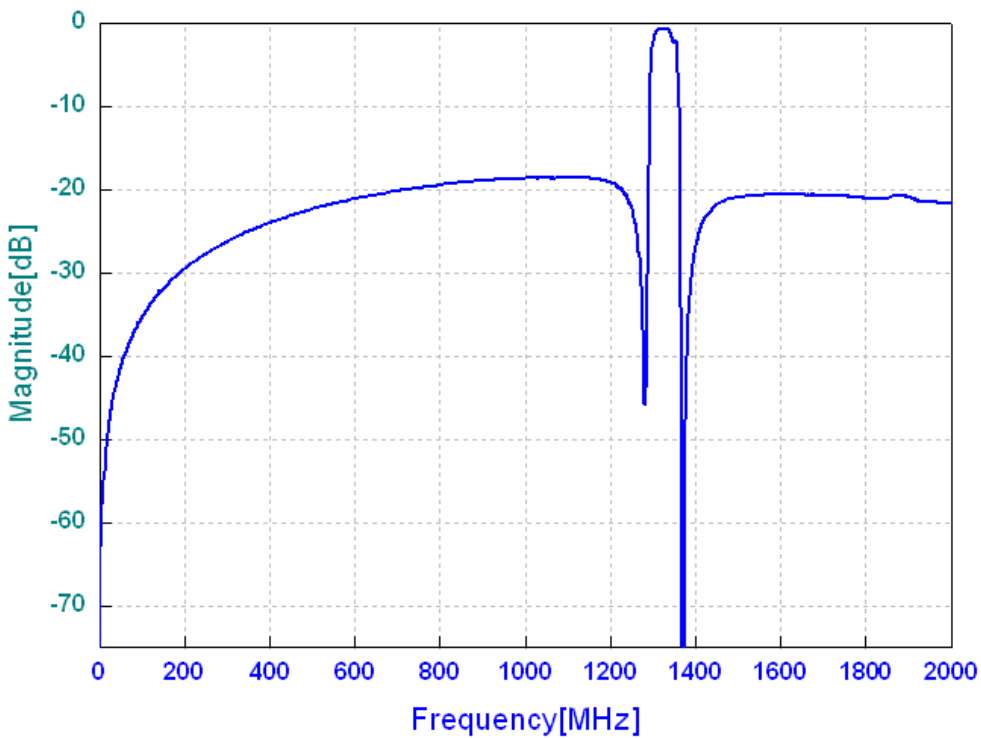
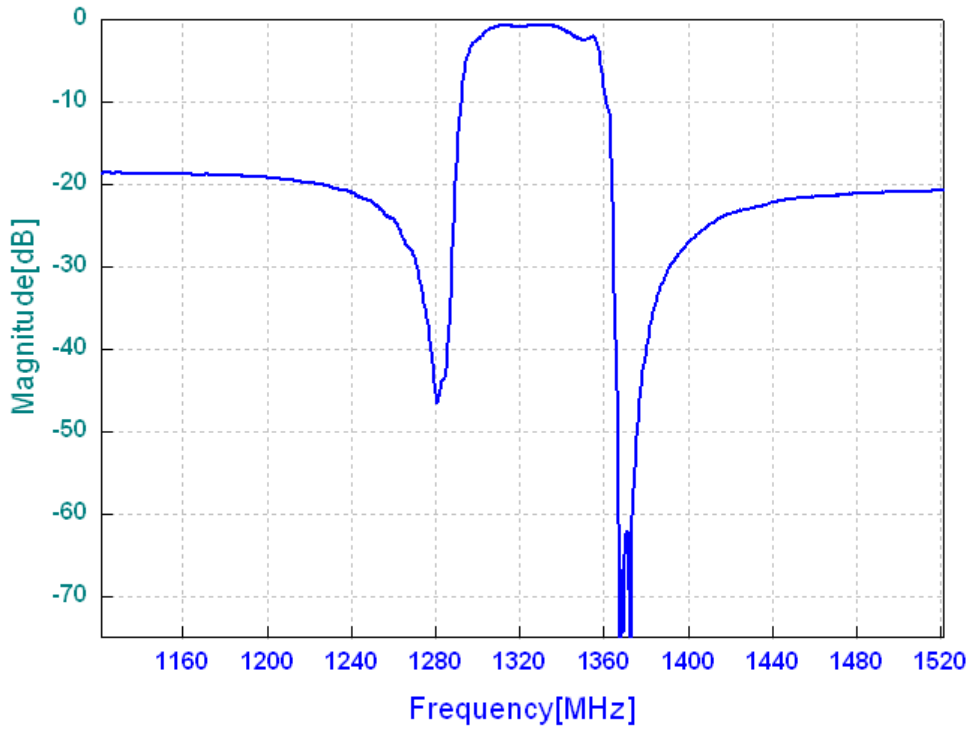
### Testing Environment



Source & Load Impedance: 50  $\Omega$

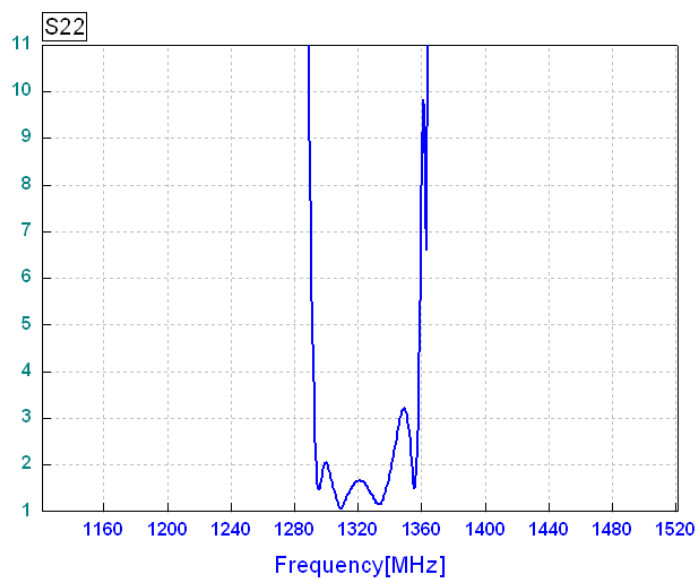
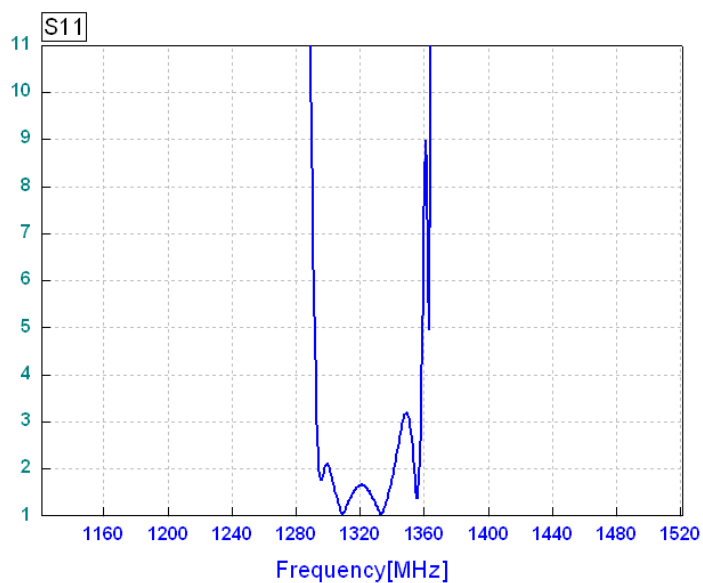
**□ Frequency Characteristics**

Frequency Response





VSWR



Smith Chart

