



Total Solution Provider in Saw Device

SA1215AM

RF Band Pass SAW Filter
Revision 0: November 2006



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

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□ Electrical Characteristics

Maximum Ratings

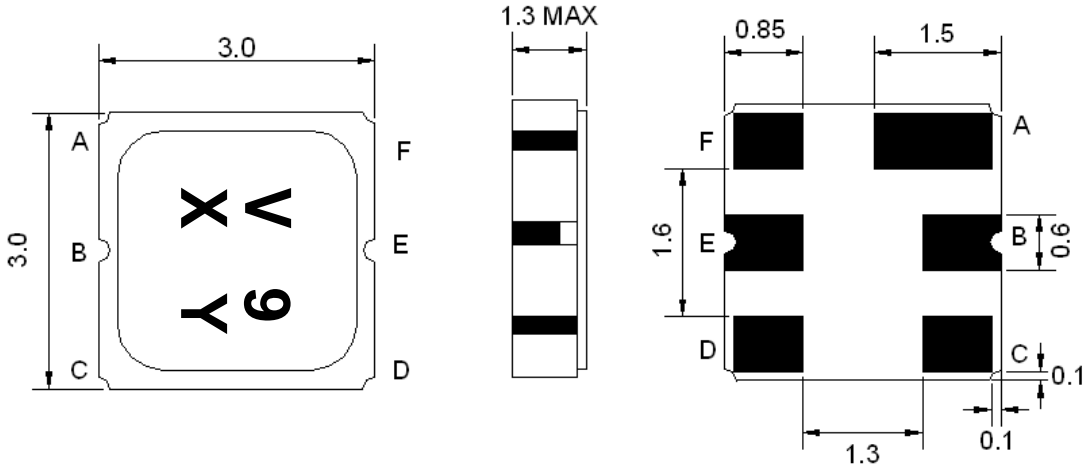
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+65
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1215.0	-
Insertion Loss within 1210.0 ~ 1220.0 MHz	dB	-	2.7	4.0
Amplitude Ripple within 1210.0 ~ 1220.0 MHz	dB _{p-p}	-	0.4	1.5
Attenuation:				
1135.0 ~ 1175.0 MHz	dB	40	48	-
1320.0 ~ 1360.0 MHz	dB	40	55	-
VSWR within 1210.0 ~ 1220.0 MHz	-	-	1.3	2.0

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

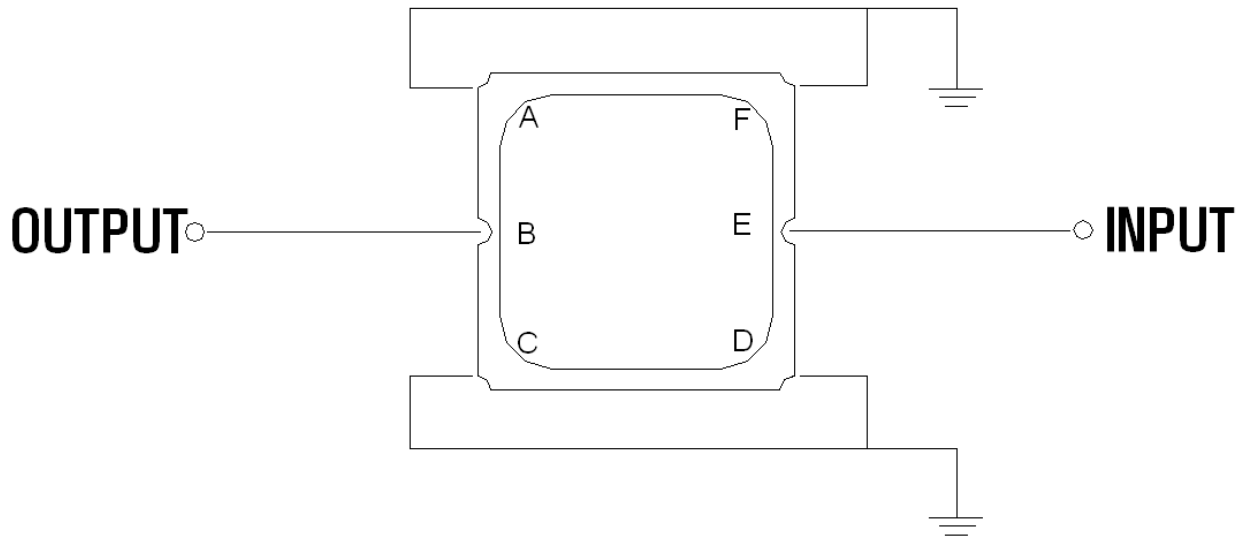
□ Package Dimensions



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

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

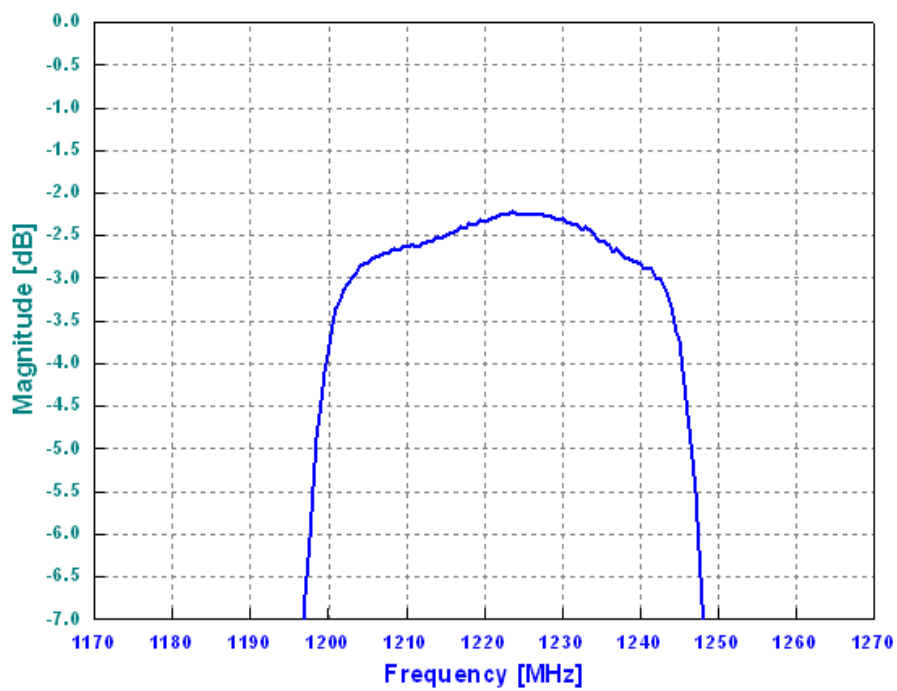
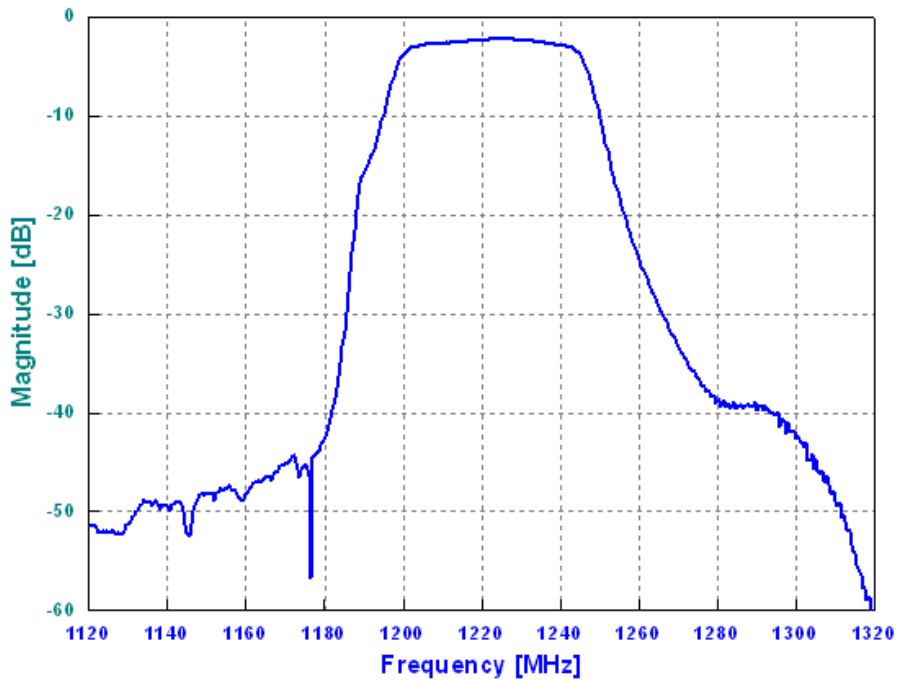
□ Testing Environment



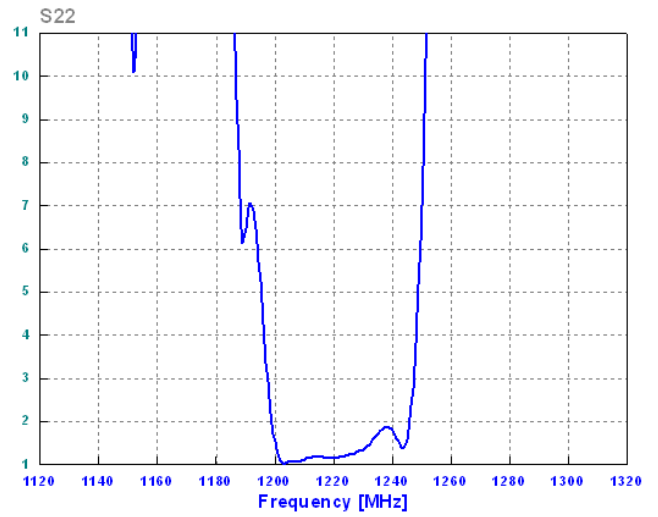
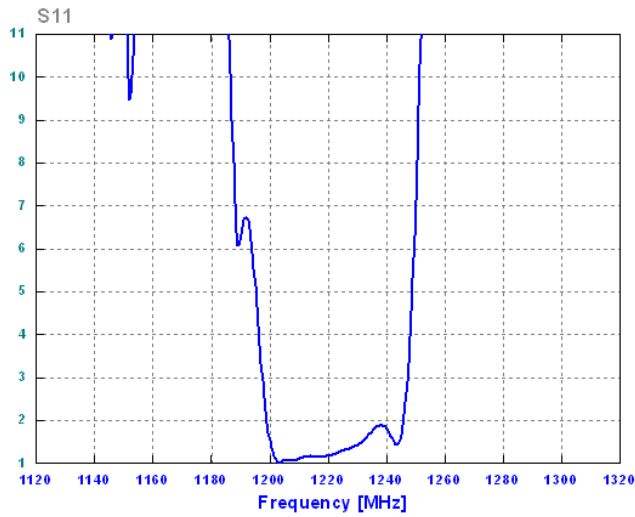
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

