



Total Solution Provider in Saw Device

SA1220AM1

Wireless, Balanced RF SAW Filter
Revision 0: June 2006



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

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□ Electrical Characteristics

Maximum Ratings

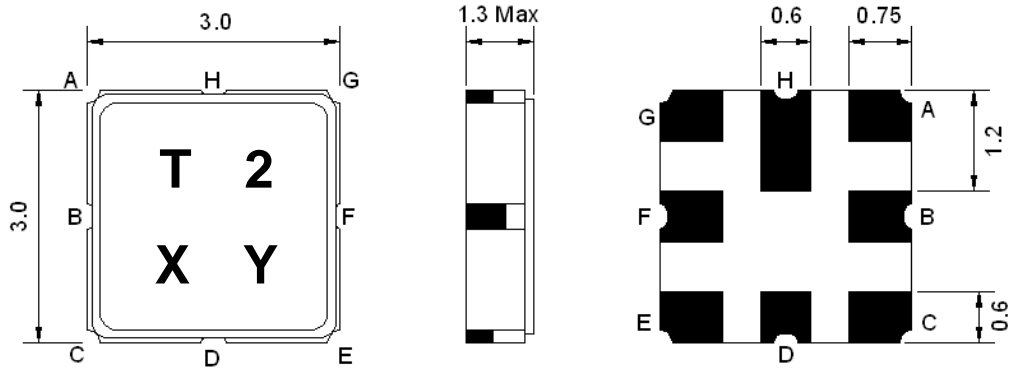
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	0
Source Impedance (Balanced ended) ⁽¹⁾	Ω	-	200	-
Load Impedance (Balanced ended) ⁽¹⁾	Ω	-	200	-
Package type & size			M1	
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	-	1220.0	-
Insertion Loss within 1216.0 ~ 1224.0 MHz	dB	-	3.5	4.8
Amplitude Ripple within 1216.0 ~ 1224.0 MHz	dB _{p-p}	-	0.4	1.0
Group Delay Ripple within 1216.0 ~ 1224.0 MHz	ns _{p-p}	-	40	-
Attenuation:				
Fo-200.0 ~ Fo-68.0 MHz	dB	46	51	-
Fo-88.0 MHz	dB	48	53	-
Fo-72.0 MHz	dB	50	58	-
Fo-44.0 MHz	dB	48	56	-
Fo-36.0 MHz	dB	46	59	-
Fo+70.0 ~ 2000.0 MHz	dB	50	61	-

Notes : (1) With Matching Network ns

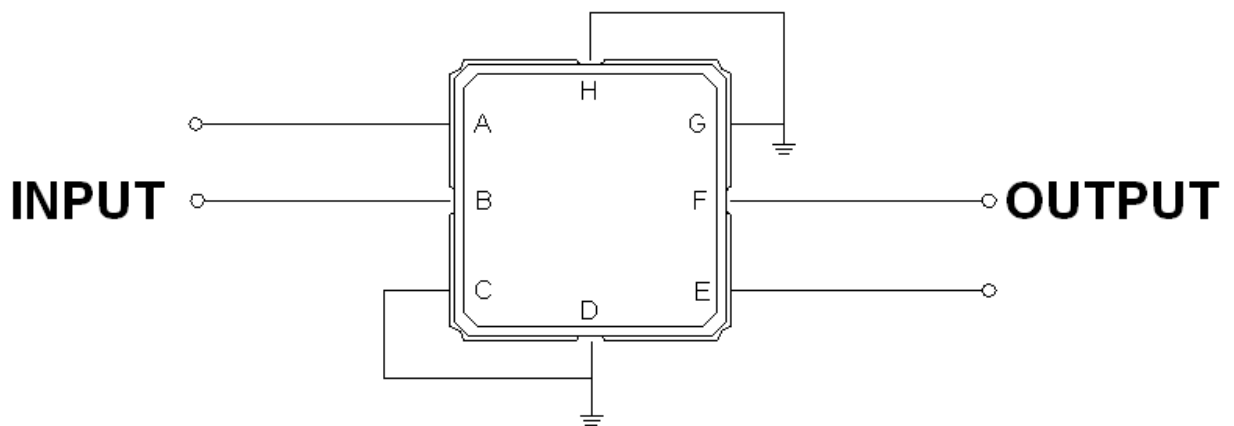
Package Dimensions



Marking Descriptions	
T	CA-TV Application
2	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

Testing Environment

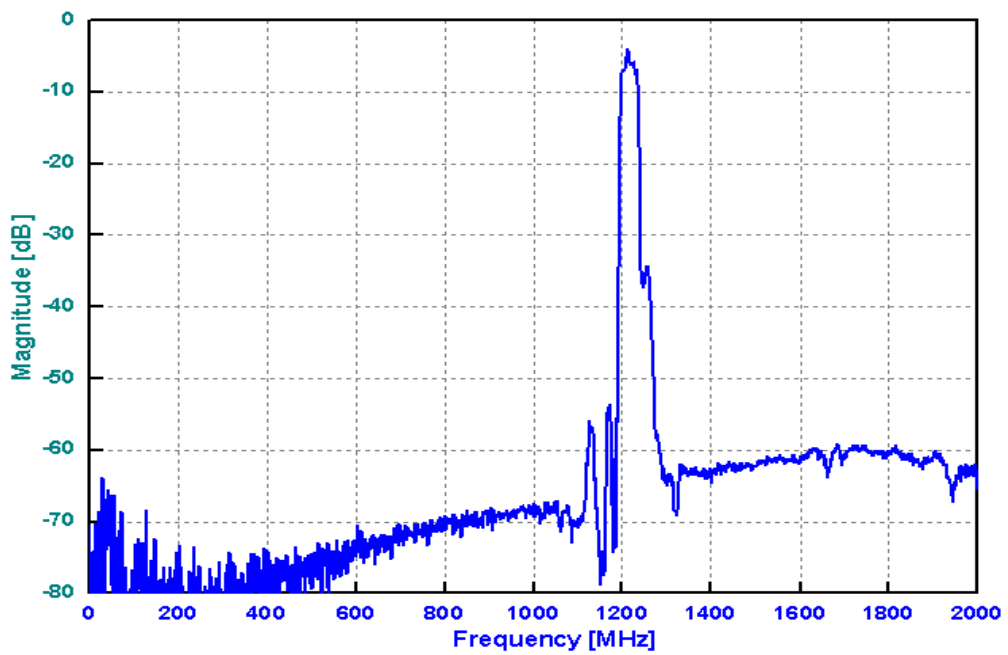
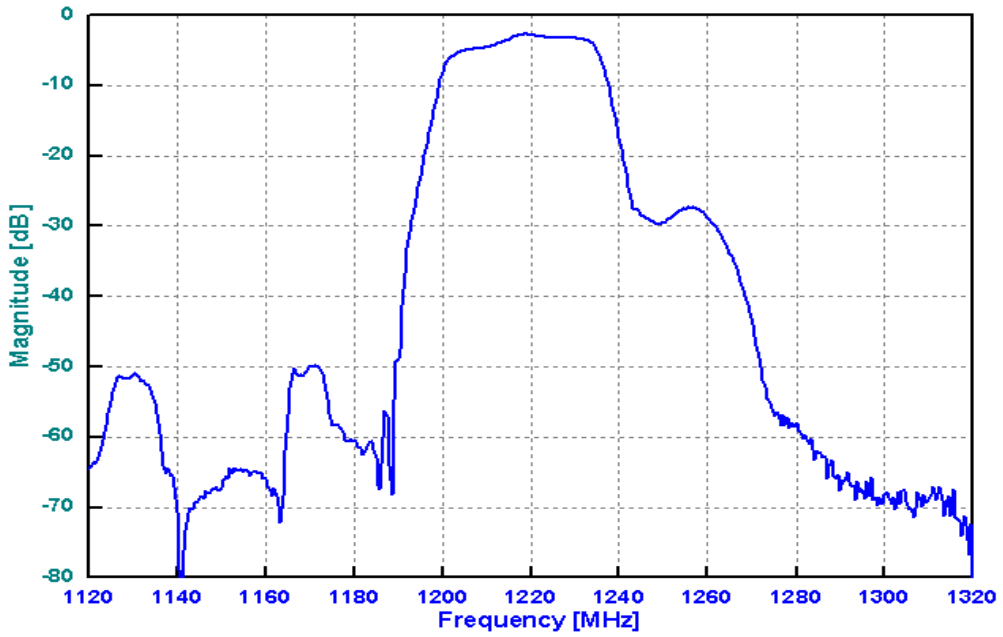


Source Impedance : 200 Ω

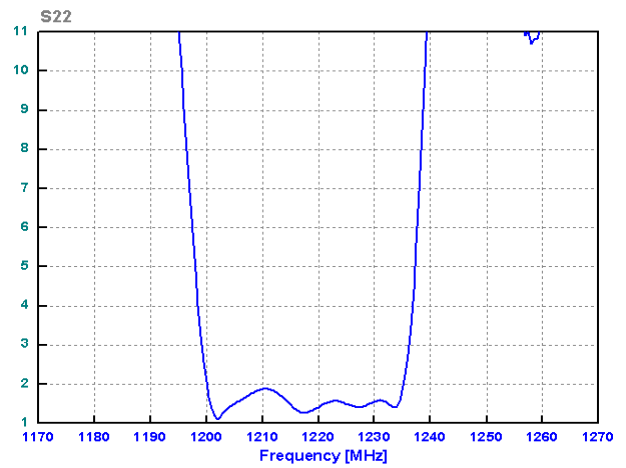
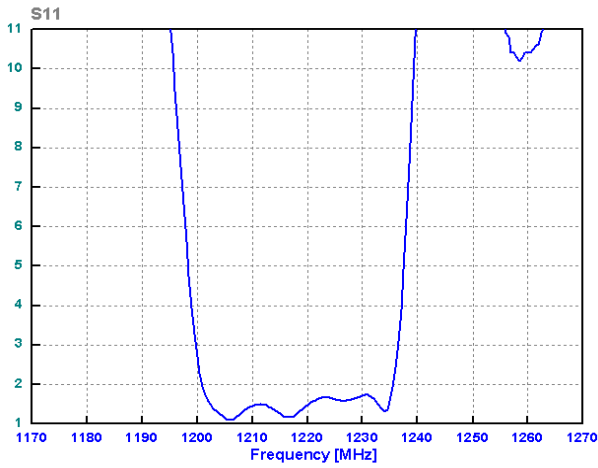
Load Impedance : 200 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

