



Total Solution Provider in Saw Device

SA2338CM

Wireless, RF SAW Filter
Revision 0: January 2009



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

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□ Electrical Characteristics

Maximum Ratings

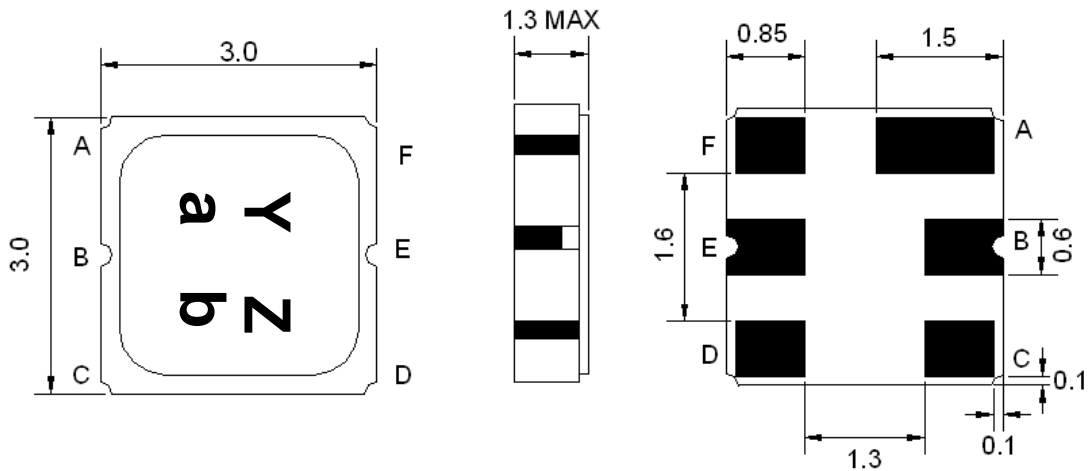
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	2338.75	-
Insertion Loss within 2332.5 ~ 2345.0 MHz	dB	-	1.3	2.5
Amplitude Ripple within 2332.5 ~ 2345.0MHz	dB _{p-p}	-	0.3	1.0
Attenuation:				
2108.75 MHz(Fo-230MHz)	dB	35	40	-
2175.0 ~ 2227.0 MHz	dB	30	43	-
2410.0 ~ 2436.0 MHz	dB	35	50	-
2436.0 ~ 2526.0 MHz	dB	35	39	-
2526.0 ~ 2700.0 MHz	dB	33	38	-
2568.75 MHz(Fo+230MHz)	dB	35	38	-
VSWR within 2332.5 ~ 2345.0 MHz	-	-	1.3	2.0

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

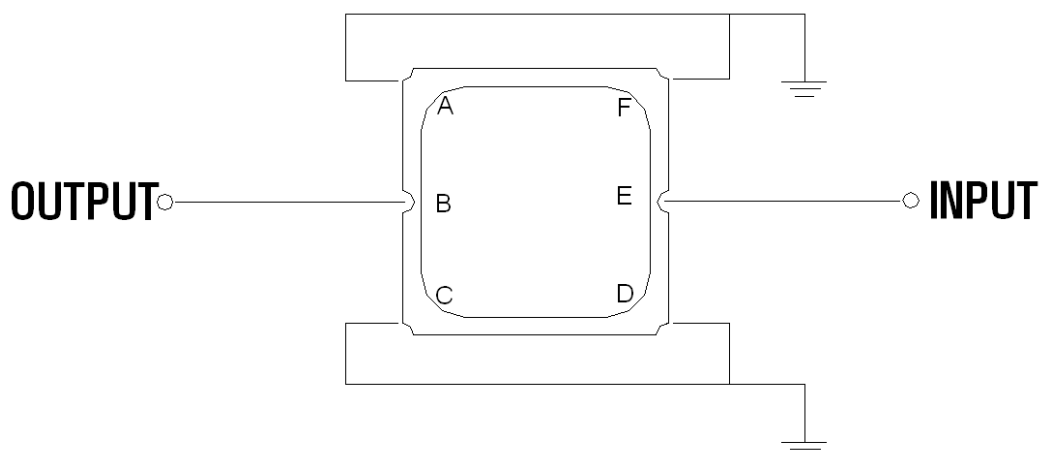
Package Dimensions



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

Pin Description	
A, C, D, F	Ground
E	Input or Output
B	Output or Input

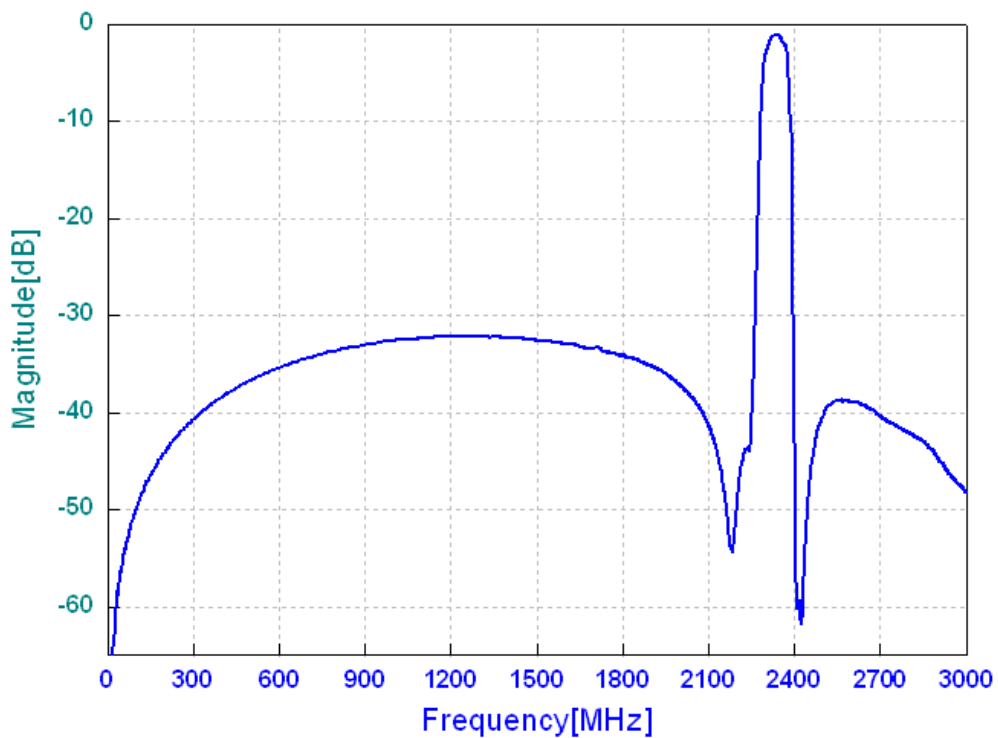
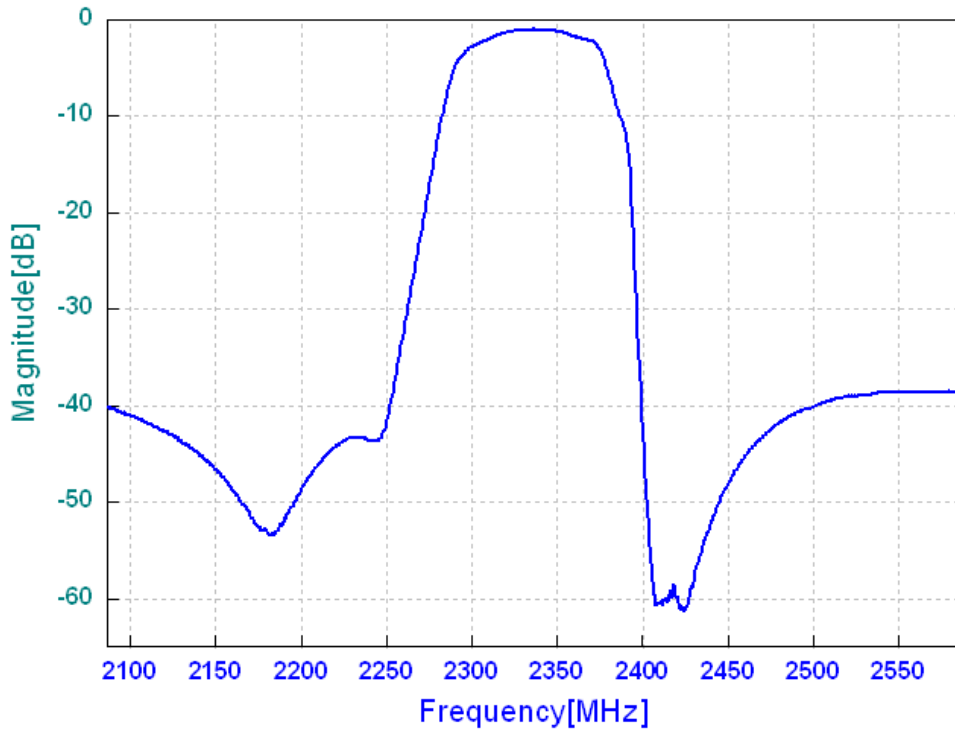
Testing Environment



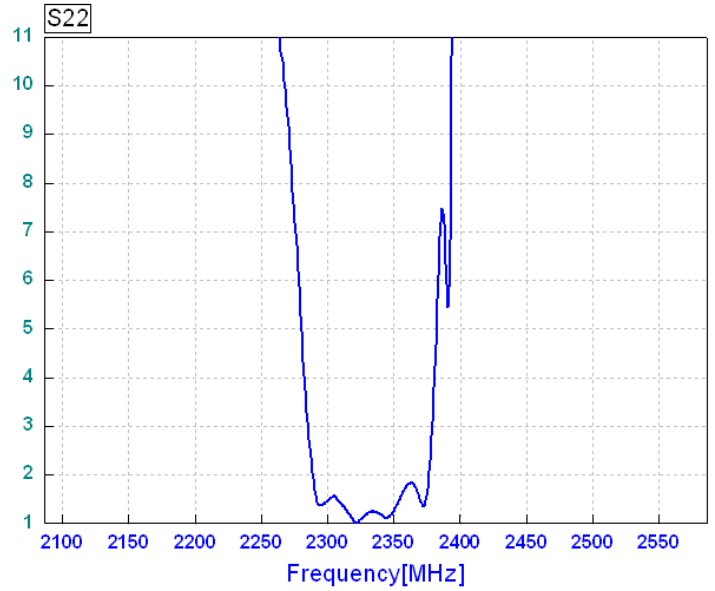
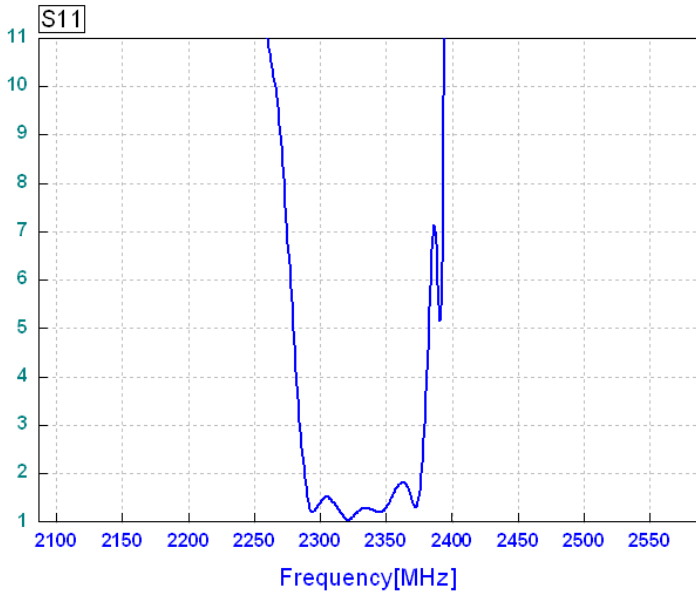
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

