



Total Solution Provider in Saw Device

SA434CM

Wireless, RF SAW Filter
Revision 0: October 2008



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

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□ Electrical Characteristics

Maximum Ratings

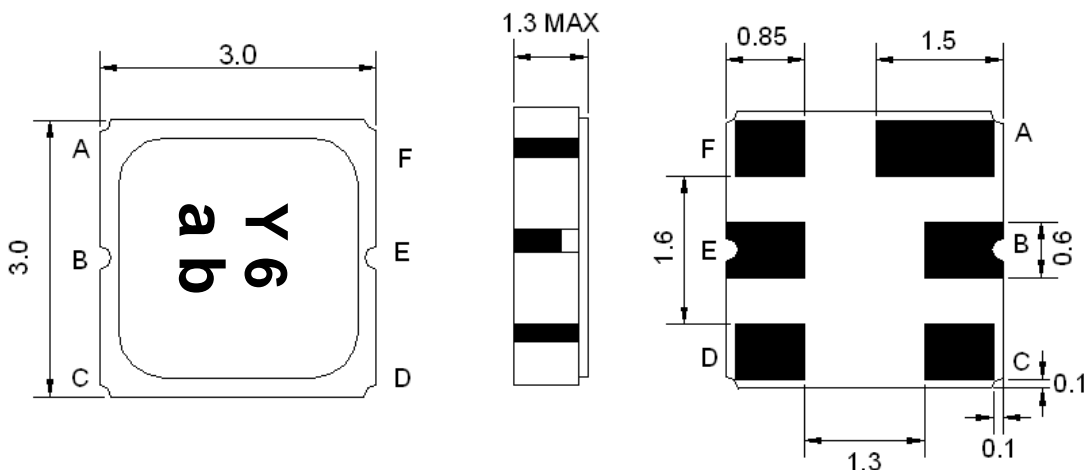
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	433.92	-
Insertion Loss within 433.05 ~ 434.79 MHz	dB	-	2.5	3.0
Amplitude Ripple within 433.05 ~ 434.79MHz	dB _{p-p}	-	0.5	1.0
Attenuation:				
389.0 ~ 392.0 MHz	dB	50	60	-
411.0 ~ 414.0 MHz	dB	45	52	-
422.0 ~ 425.0 MHz	dB	35	45	-
443.0 ~ 446.0 MHz	dB	15	18	-
454.0 ~ 457.0 MHz	dB	35	48	-
475.0 ~ 479.0 MHz	dB	45	55	-
VSWR within 433.05 ~ 434.79 MHz	-	-	1.4	2.0

Notes : (1) No Matching Network

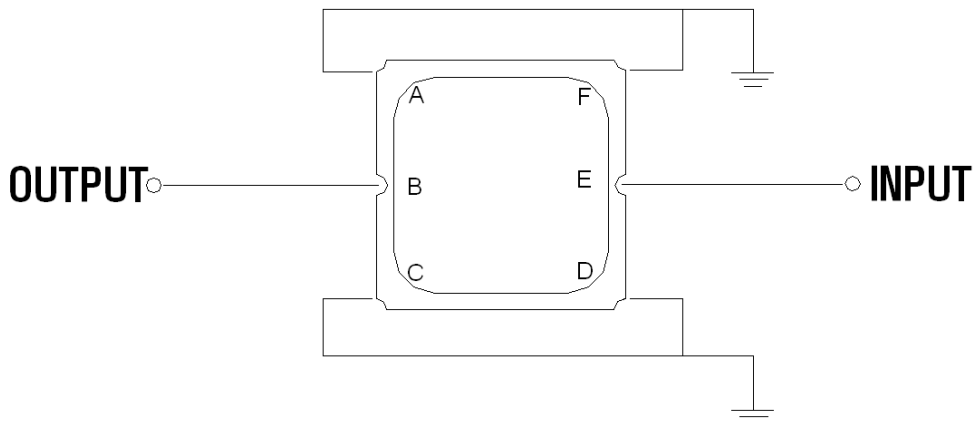
Package Dimensions



Marking Descriptions	
Y	Wireless Application
6	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

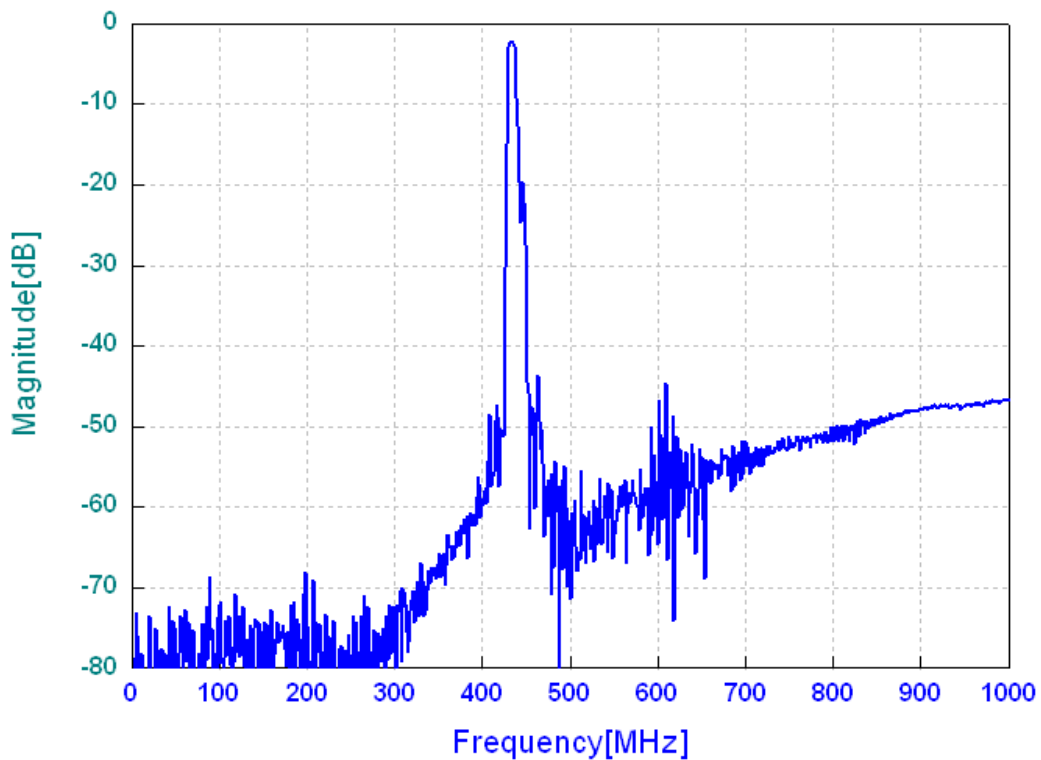
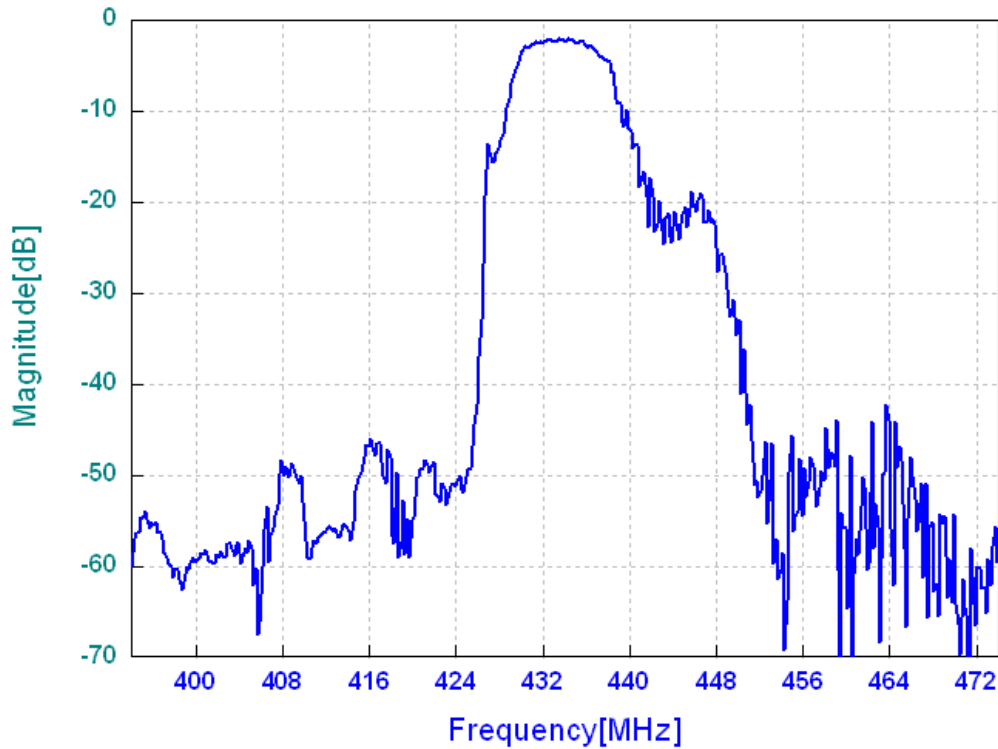
Testing Environment



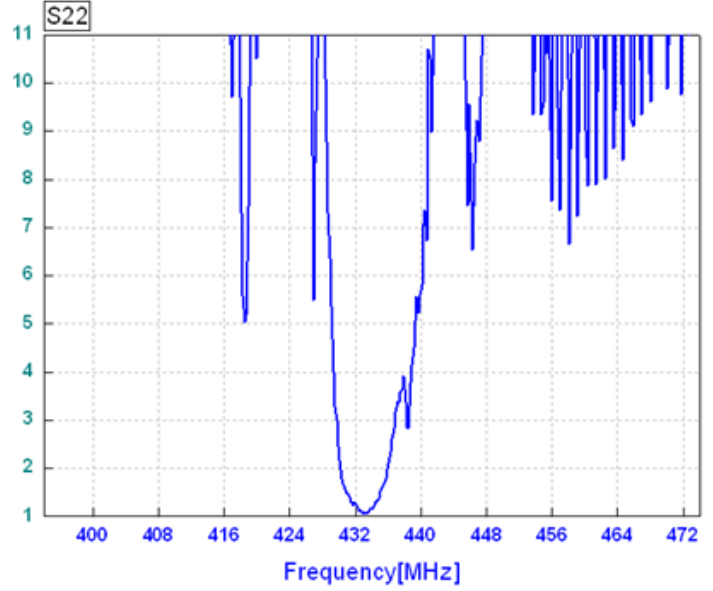
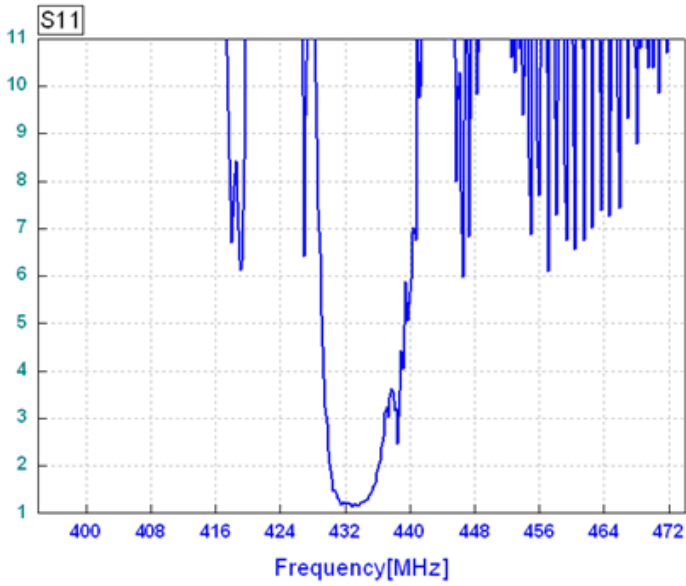
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

