



Total Solution Provider in Saw Device

SA847AM

Wireless, RF SAW Filter
Revision 0: March 2010



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

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□ Electrical Characteristics

Maximum Ratings

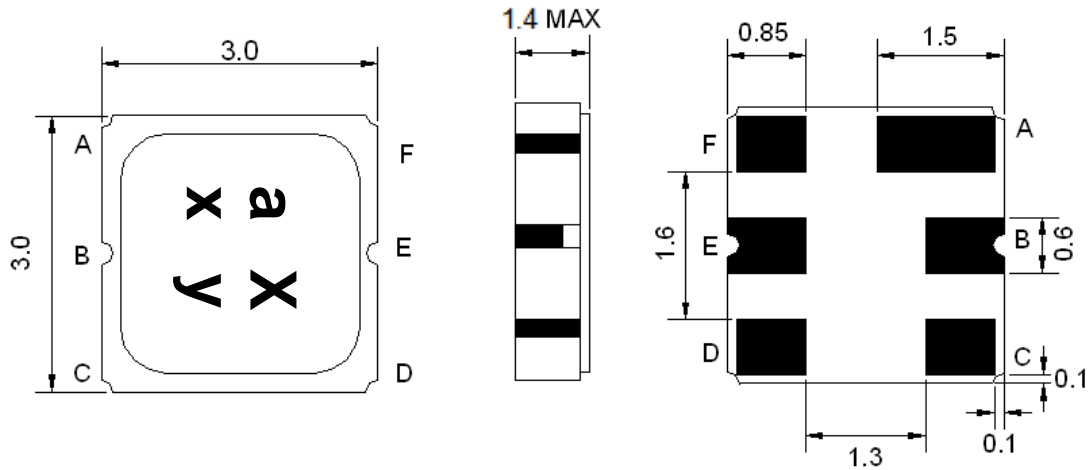
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-25	-	+75
Storage Temperature Range	°C	-30	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	847.0	-
Insertion Loss within 832.0 ~ 862.0 MHz	dB	-	2.8	4.5
Amplitude Ripple within 832.0 ~ 862.0 MHz	dB _{p-p}	-	1.2	3.0
Attenuation				
D.C ~ 800.0 MHz	dB	45	55	-
800.0 ~ 815.0 MHz	dB	30	45	-
815.0 ~ 821.0 MHz	dB	10	30	-
895.0 ~ 940.0 MHz	dB	30	37	-
940.0 ~ 1500.0 MHz	dB	45	58	-
1500.0 ~ 2000.0 MHz	dB	35	45	-
VSWR within 832.0 ~ 862.0 MHz	-	-	1.6	2.5

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

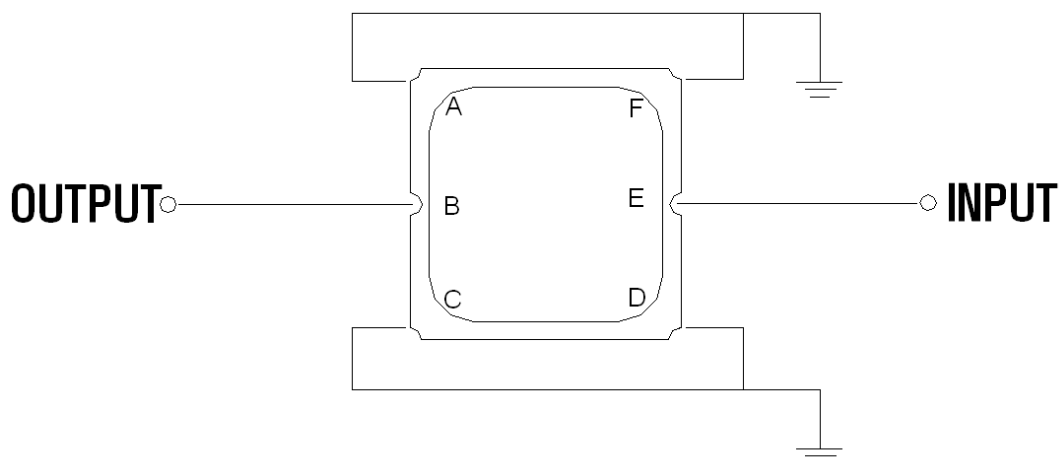
□ Package Dimensions



Marking Descriptions	
a	Wireless Application
X	Series Number
x	Date Code(Year)
y	Date Code(Month)

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

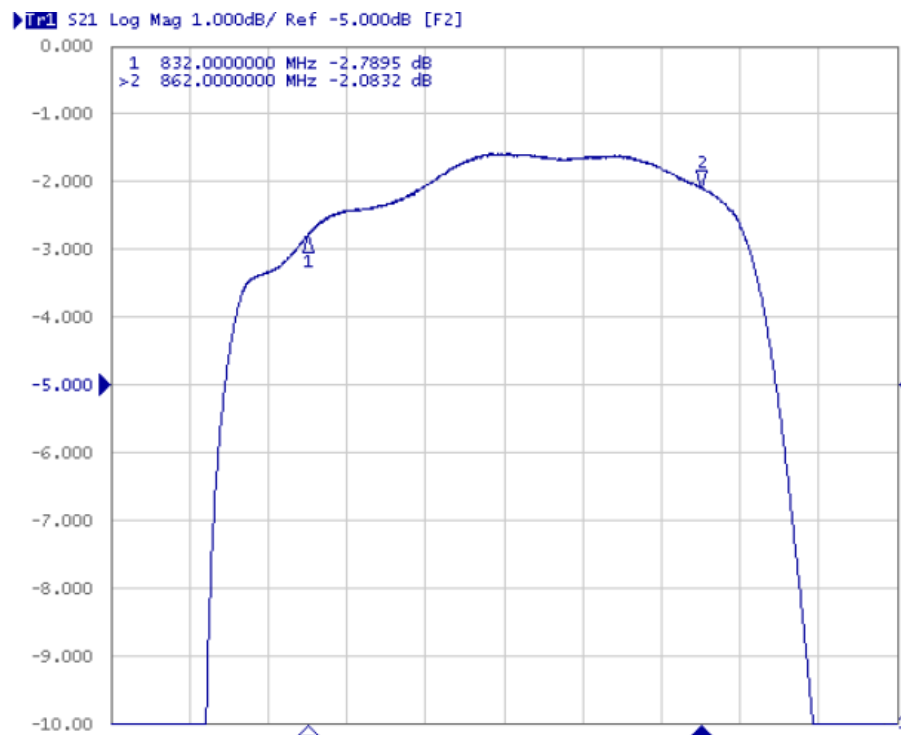
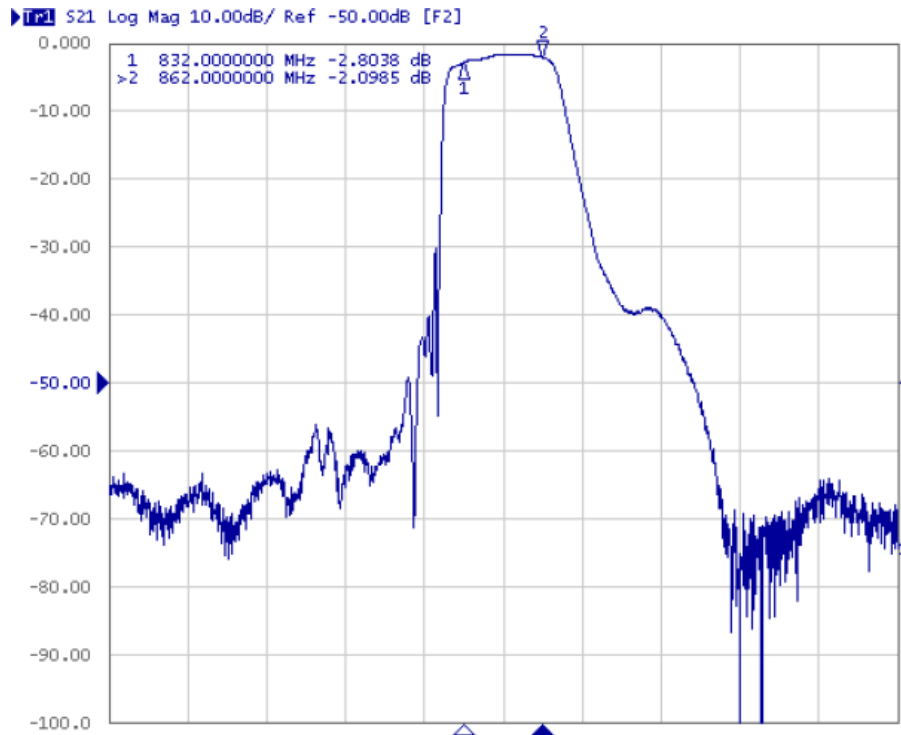
□ Testing Environment

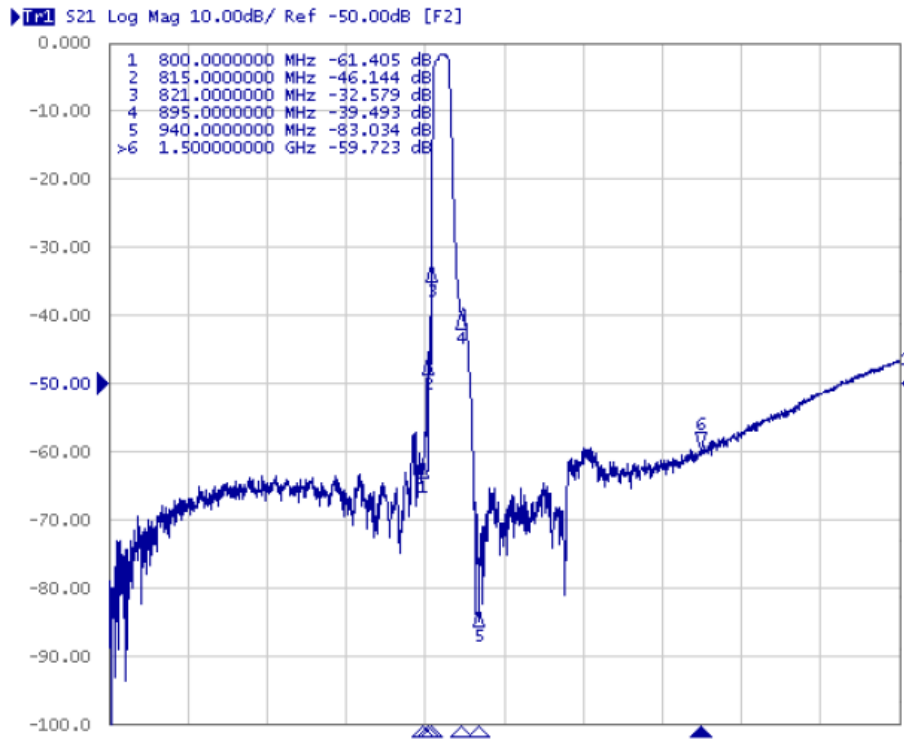


Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





VSWR

