



Total Solution Provider in Saw Device

SA865AP

Wireless, RF SAW Filter
Revision 1: November 2010



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

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□ Electrical Characteristics

Maximum Ratings

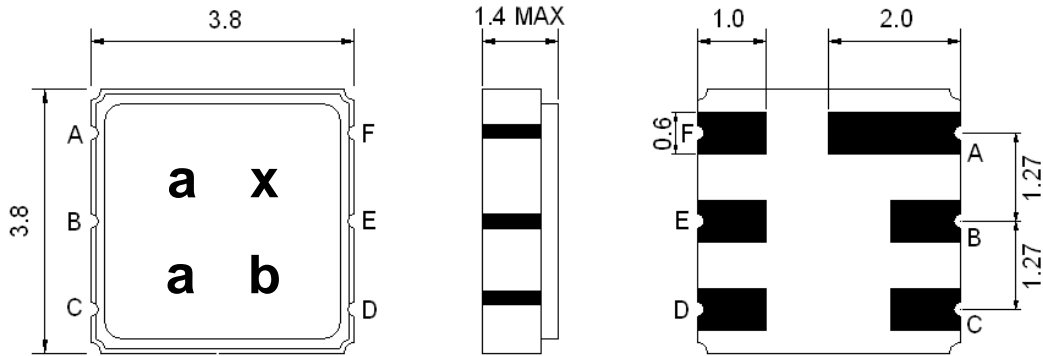
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+95
Storage Temperature Range	°C	-40	-	+105
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	865.0	-
Insertion Loss within 863.5 ~ 866.5 MHz	dB	-	2.7	3.5
Amplitude Ripple within 863.5 ~ 866.5 MHz	dB _{p-p}	-	0.3	1.0
Return Loss within 863.5 ~ 866.5 MHz	dB	9	10	-
Attenuation:				
830.0 ~ 840.0 MHz	dB	40	48	-
880.0 ~ 890.0 MHz	dB	35	45	-

Notes : (1) No Matching Network

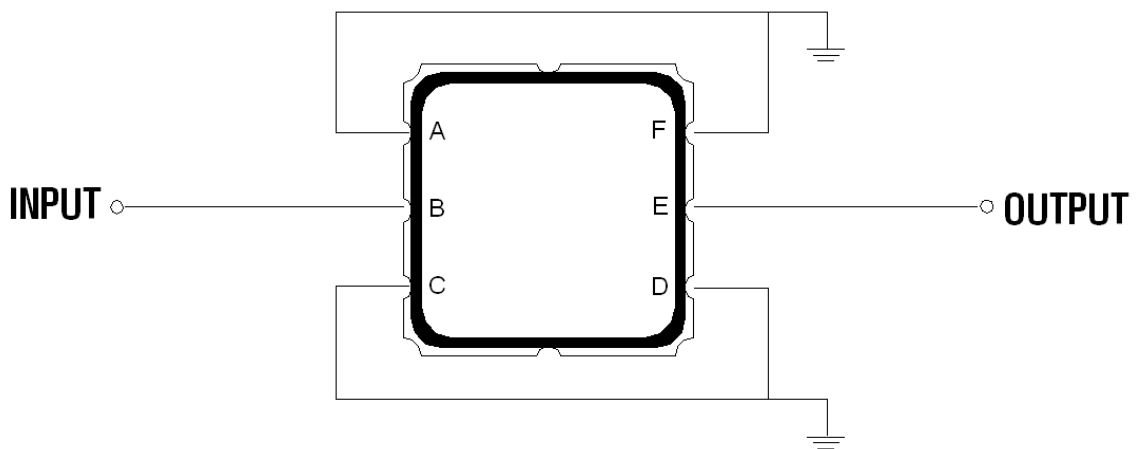
Package Dimensions



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

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

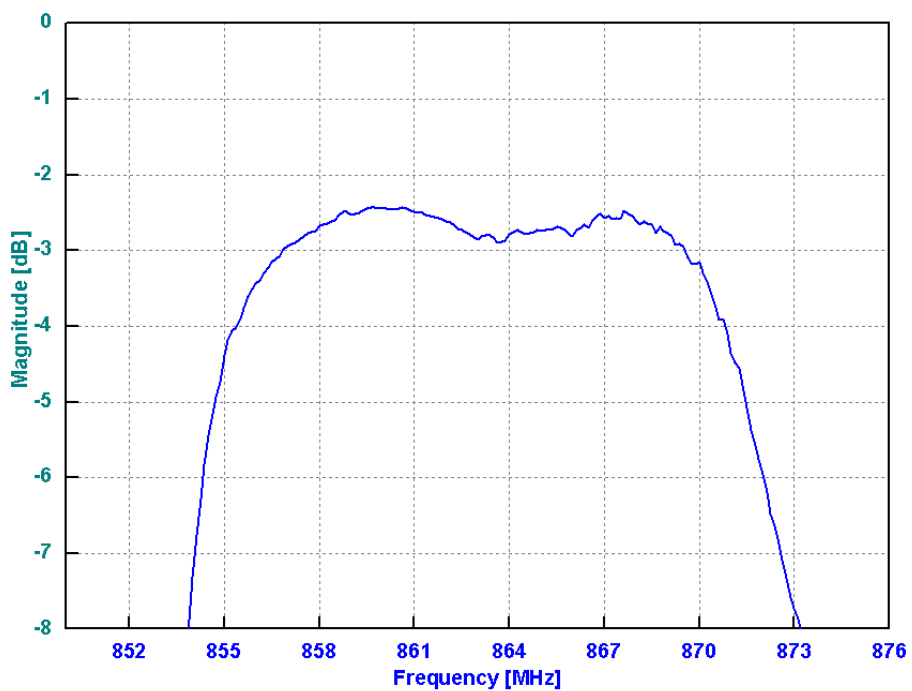
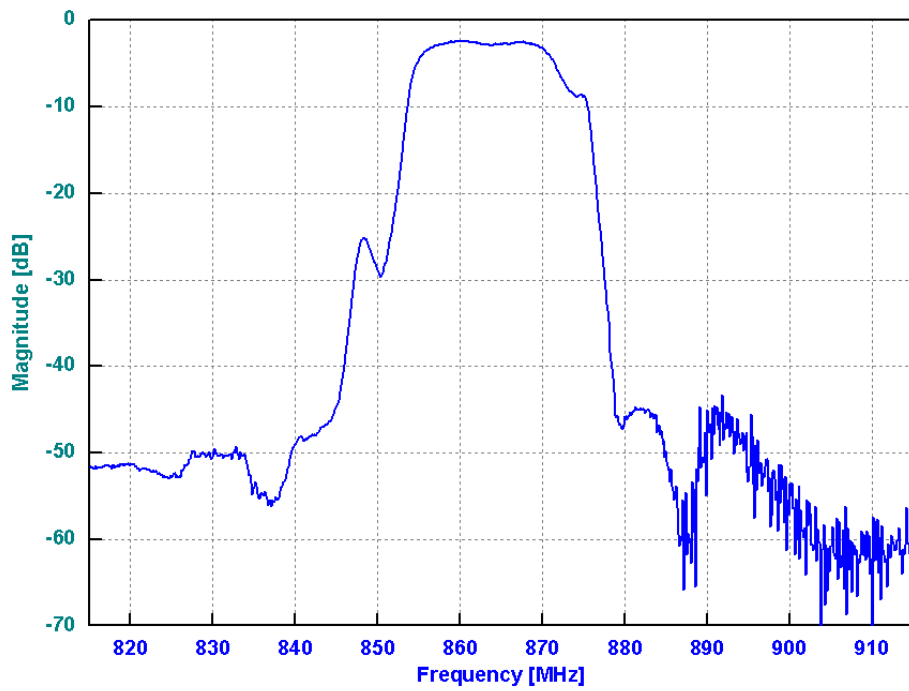
Testing Environment



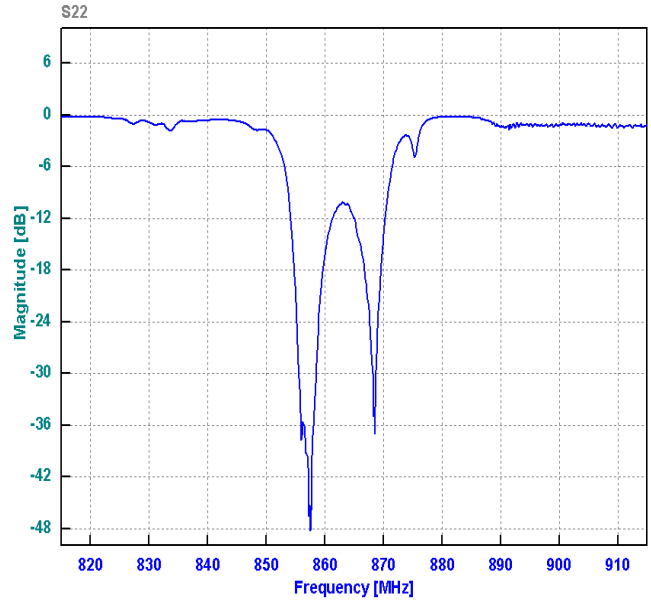
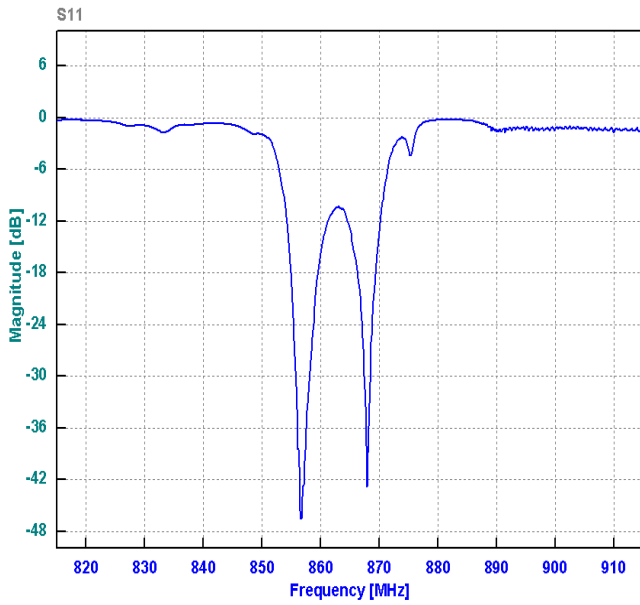
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



Return Loss



Smith Chart

