



Total Solution Provider in Saw Device

SA869AM

Wireless, RF SAW Filter
Revision 0: January 2006



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

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□ Electrical Characteristics

Maximum Ratings

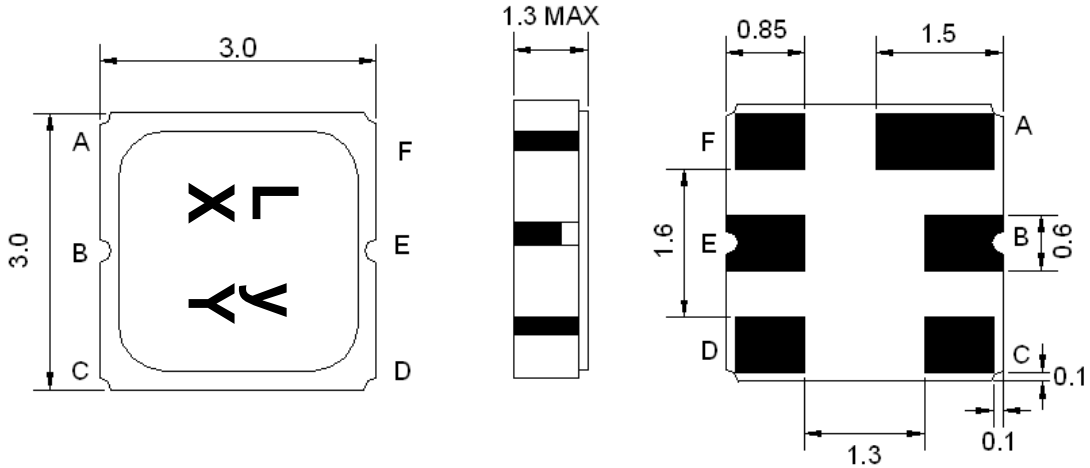
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-10	-	+60
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	17
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	869	-
Insertion Loss within 868.0 ~ 870.0 MHz	dB	-	2.8	4.0
Amplitude Ripple within 868.0 ~ 870.0 MHz	dB _{p-p}	-	0.2	1.5
Attenuation:				
825.0 ~ 828.0 MHz	dB	40	47	-
835.0 ~ 842.0 MHz	dB	30	39	-
891.0 ~ 894.0 MHz	dB	30	42	-
910.0 ~ 913.0 MHz	dB	40	47	-

Notes : (1) No Matching Network .

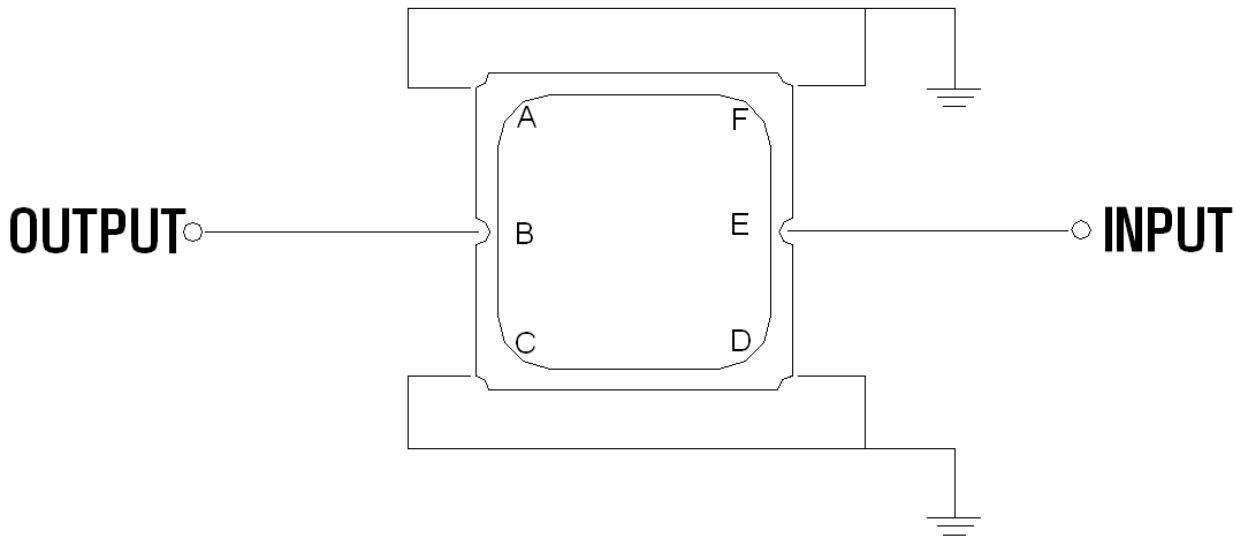
Package Dimensions



Marking Descriptions	
L	Wireless Application
y	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

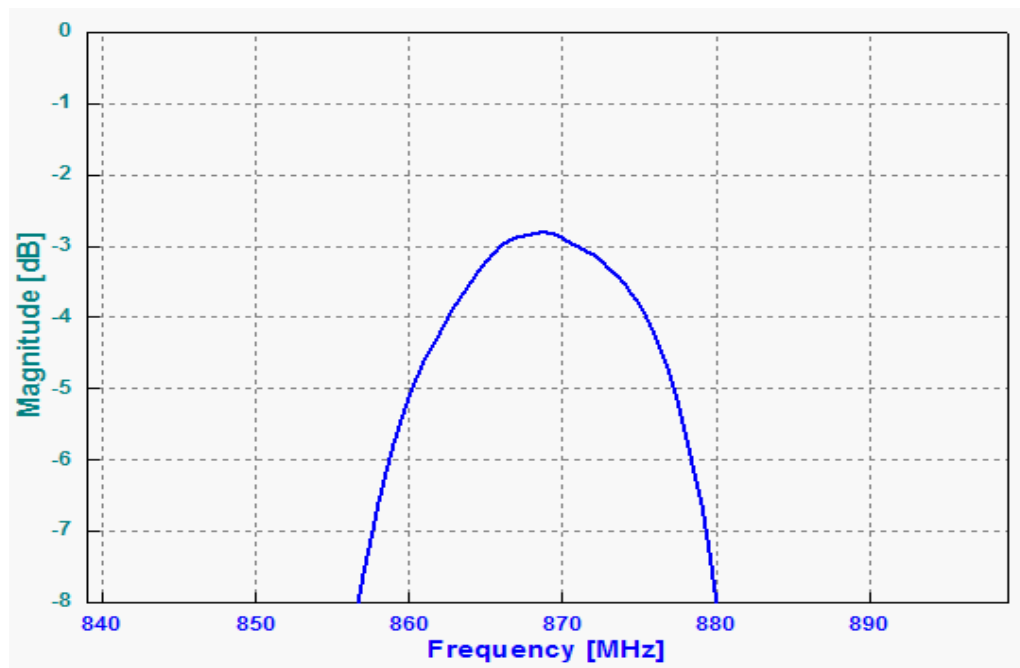
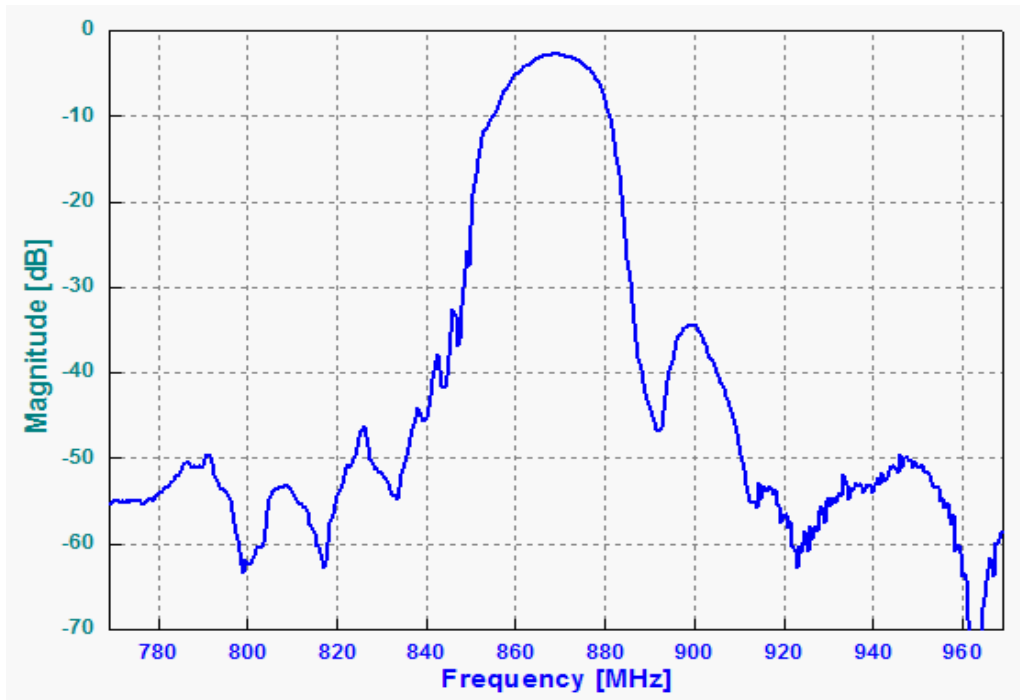
Testing Environment



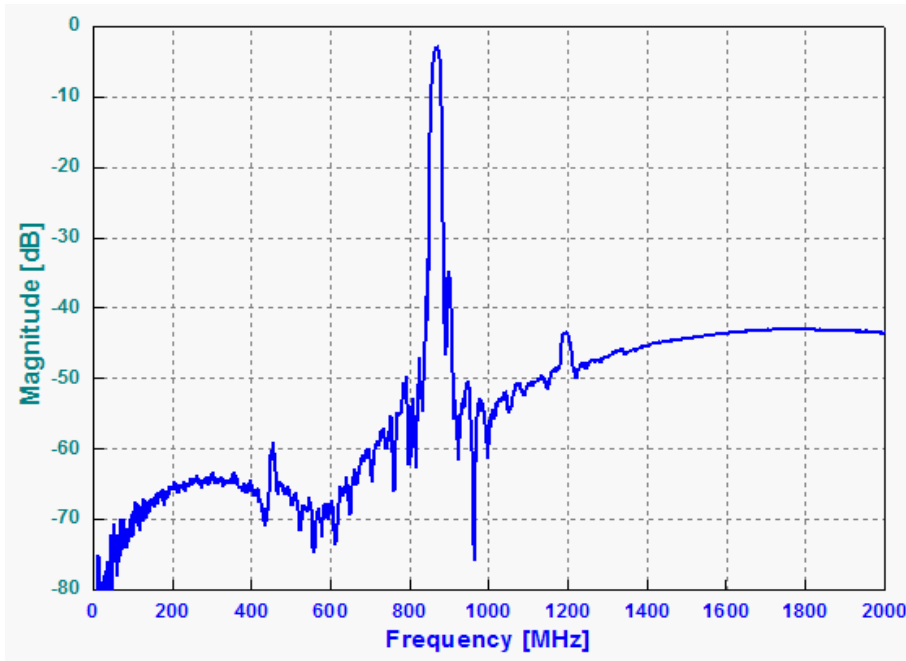
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



Wide Band



Smith Chart

