



Total Solution Provider in Saw Device

SA930AP

Wireless, RF SAW Filter
Revision 0: April 2005



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

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□ Electrical Characteristics

Maximum Ratings

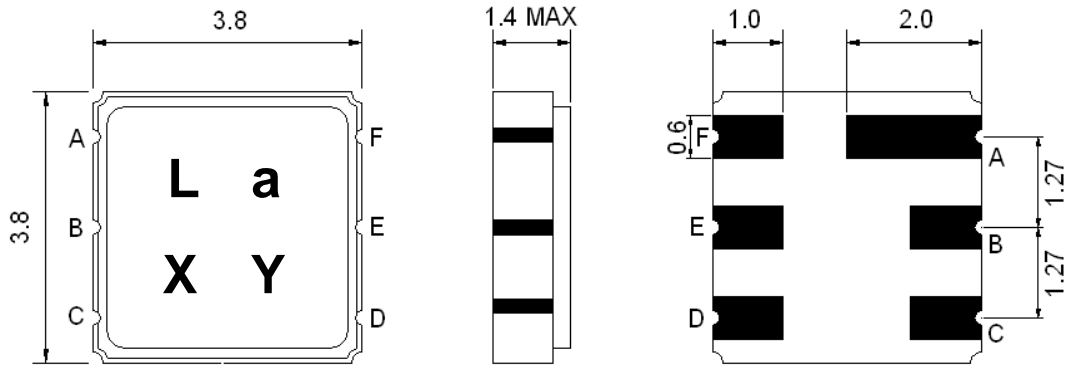
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+65
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
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	-	930.5	-
Insertion Loss (928.5 ~ 932.5 MHz)	dB	-	2.2	3.0
Amplitude Ripple within 928.5 ~ 932.5 MHz	dB _{p-p}	-	0.3	1.0
Attenuation:				
Fo-200.0 ~ Fo-40.8 MHz	dB	50	55	-
Fo+50.0 ~ Fo+200.0 MHz	dB	40	48	-
VSWR (928.5 ~ 932.5 MHz)	-	-	1.4	2.0

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

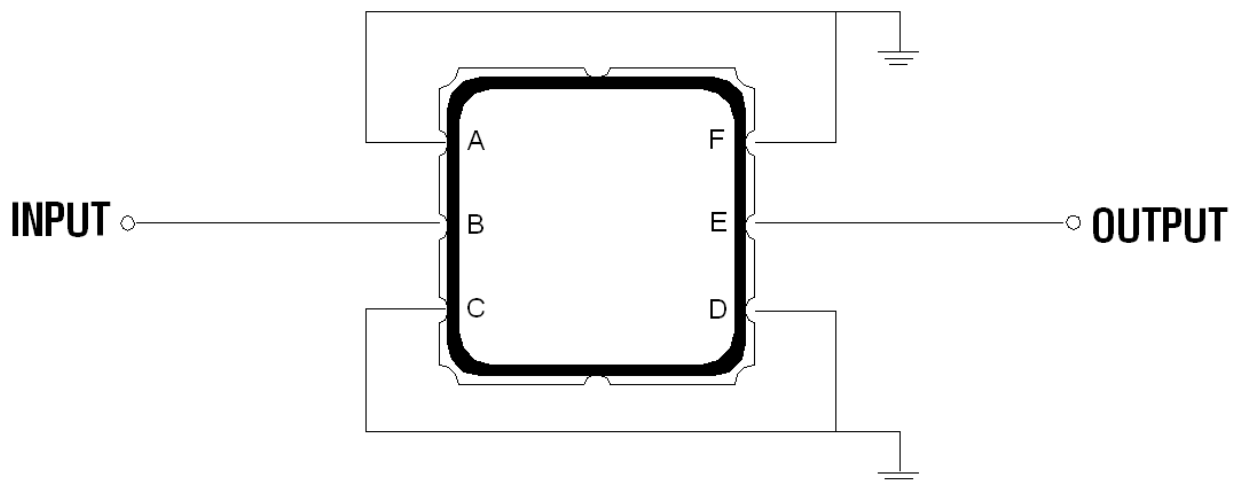
Package Dimensions



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

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

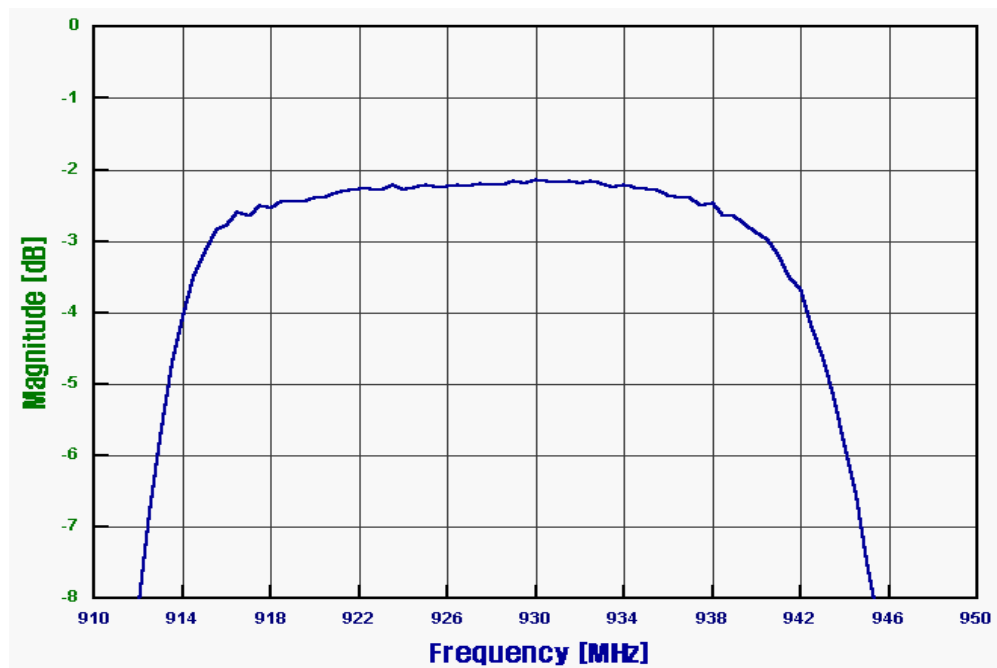
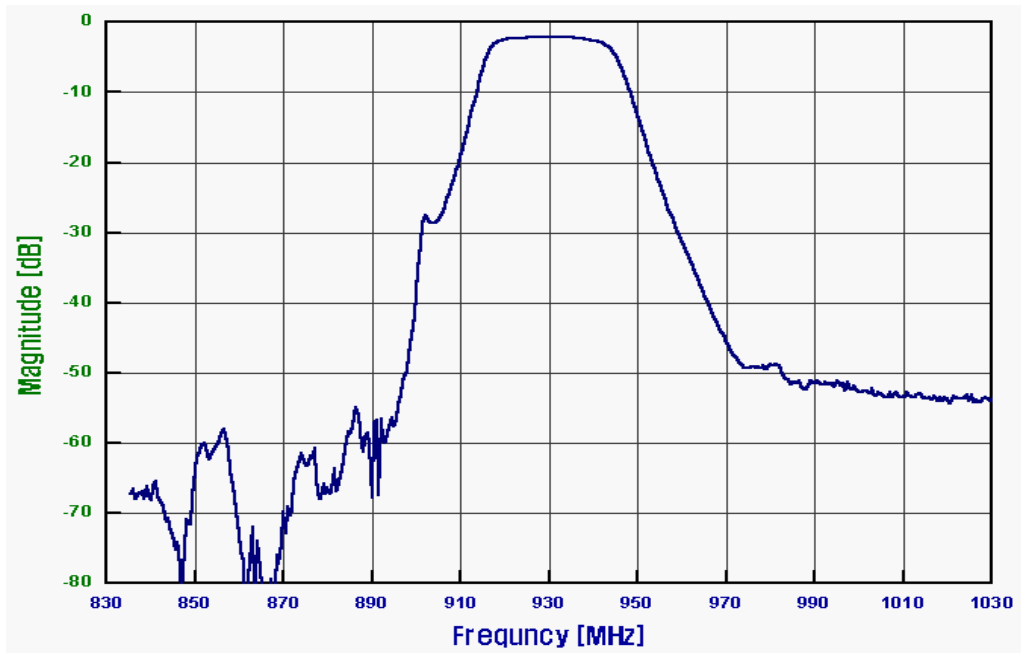
Testing Environment



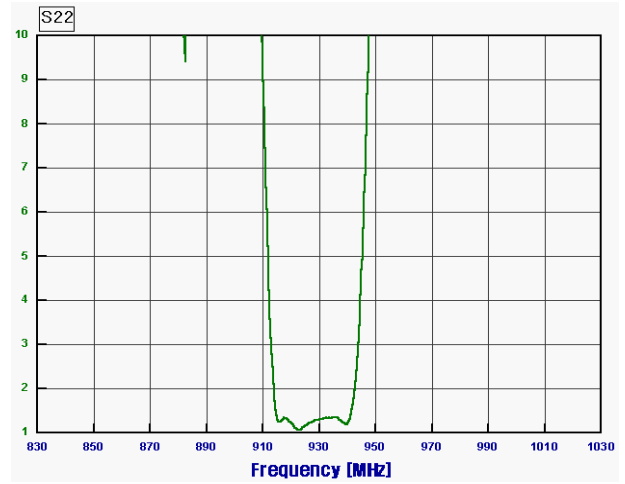
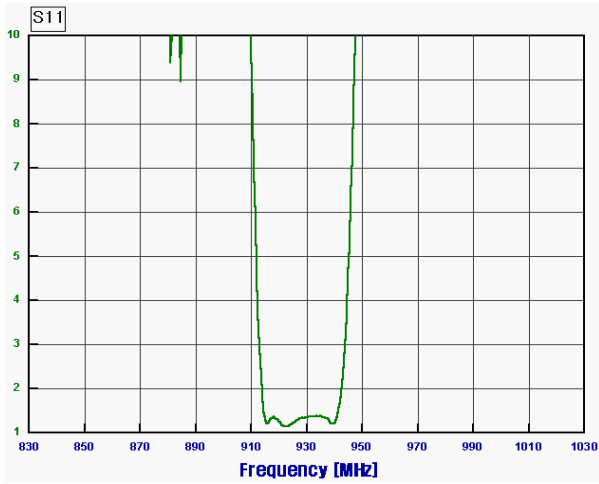
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

