



Total Solution Provider in Saw Device

SA915CP

Wireless, RF SAW Filter
Revision 0: January 2002



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

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□ Electrical Characteristics

Maximum Ratings

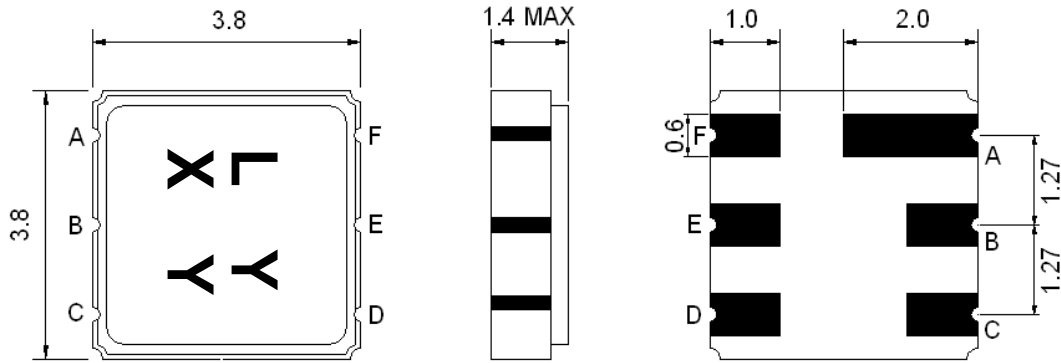
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+65
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	20
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
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	-	915.0	-
Insertion Loss within 902.0~928.0 MHz	dB	-	2.5	3.0
Amplitude Ripple within 902.0 ~ 928.0 MHz	dB _{p-p}	-	0.7	1.5
Attenuation:				
D.C. ~ 800.0 MHz	dB	50	60	-
800.0 ~ 845.0 MHz	dB	50	55	-
845.0 ~ 880.0 MHz	dB	40	45	-
950.0 ~ 990.0 MHz	dB	26	31	-
990.0 ~ 1200.0 MHz	dB	50	58	-
1200.0 ~ 2000.0 MHz	dB	30	38	-
VSWR within 902.0 ~ 928.0 MHz	-	-	1.45	2.0

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

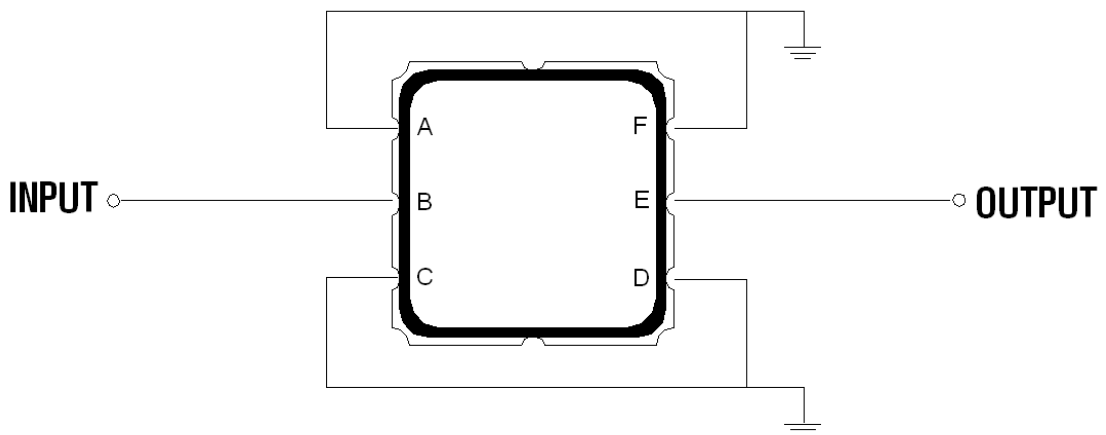
Package Dimensions



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

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

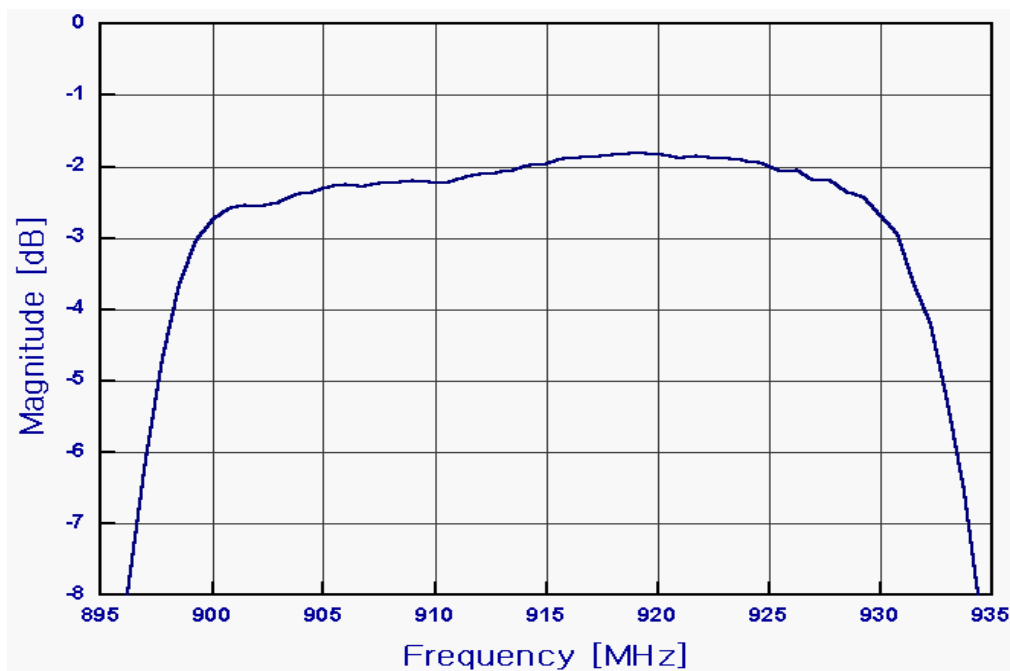
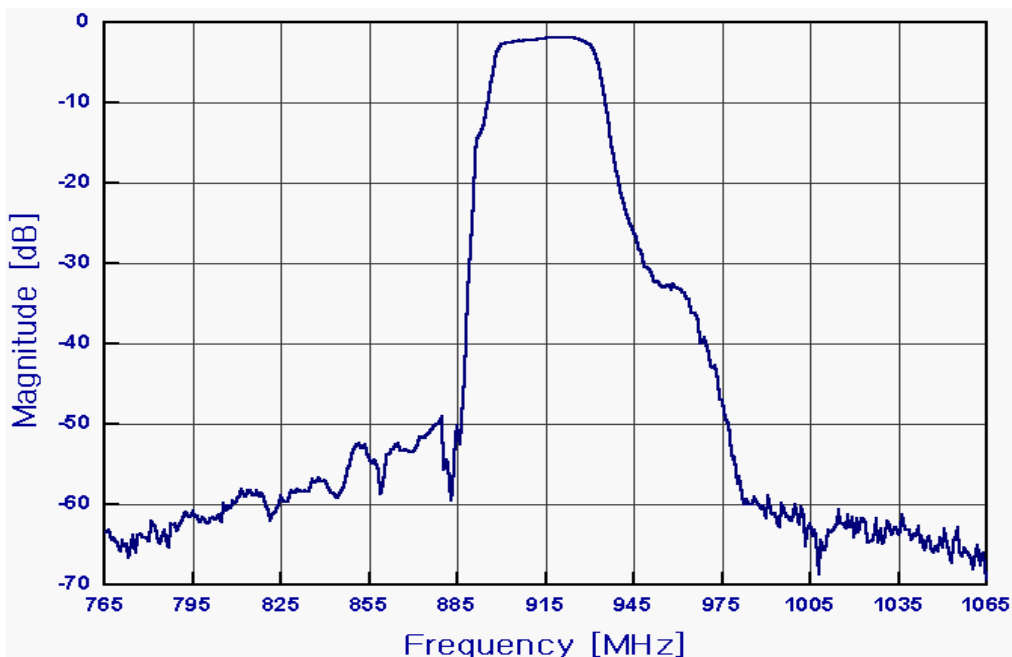
Testing Environment



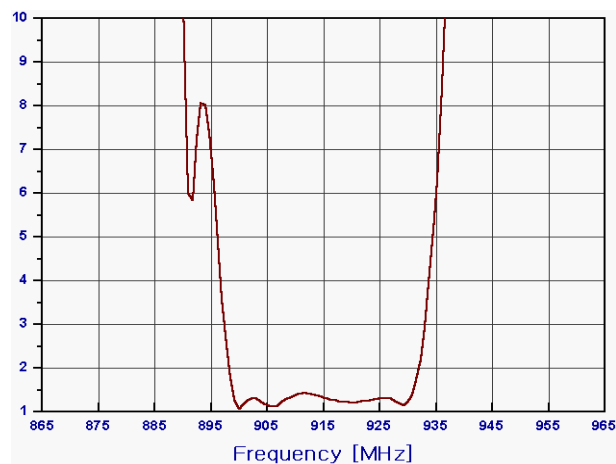
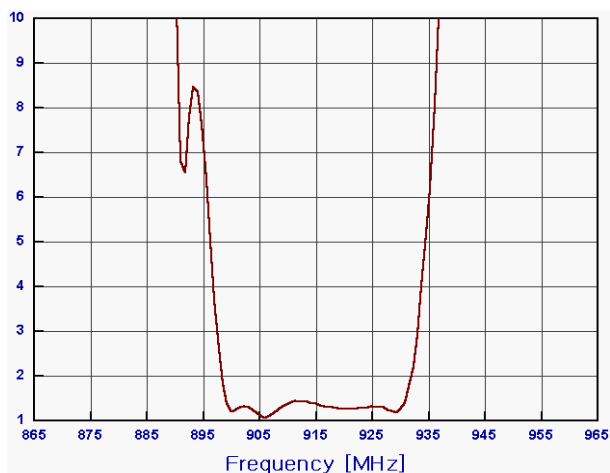
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

