



Total Solution Provider in Saw Device

SA915FM

Wireless, RF SAW Filter
Revision 0: March 2007



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

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□ Electrical Characteristics

Maximum Ratings

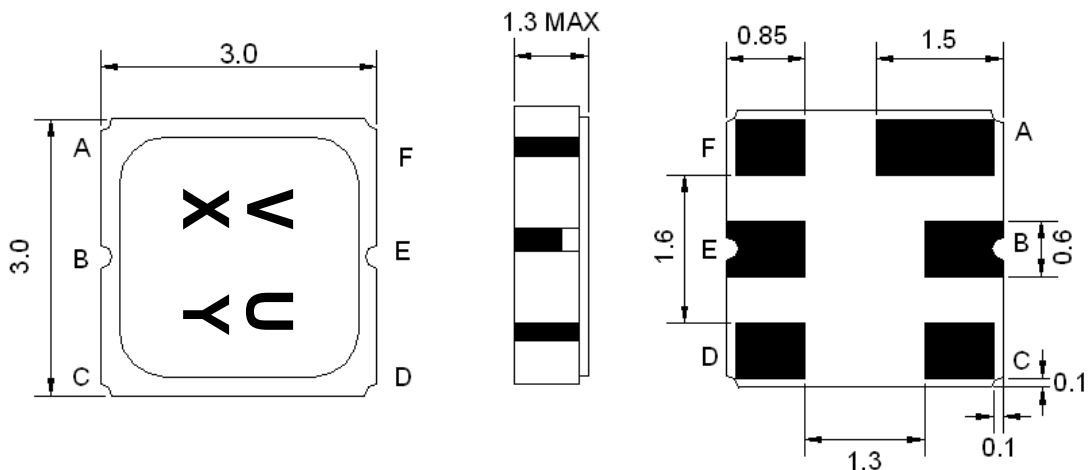
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	17
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	915.0	-
Insertion Loss within 914.0 ~ 916.0 MHz	dB	-	2.8	3.5
Amplitude Ripple within 914.0 ~ 916.0 MHz	dB _{p-p}	-	0.45	1.0
Attenuation:				
20.0 ~ 850.0 MHz	dB	45	53	-
850.0 ~ 899.0 MHz	dB	35	43	-
899.0 ~ 901.0 MHz	dB	35	42	-
929.0 ~ 932.0 MHz	dB	40	50	-
950.0 ~ 1500.0 MHz	dB	40	46	-
VSWR within 914.0 ~ 916.0 MHz	-	-	1.50	2.0

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

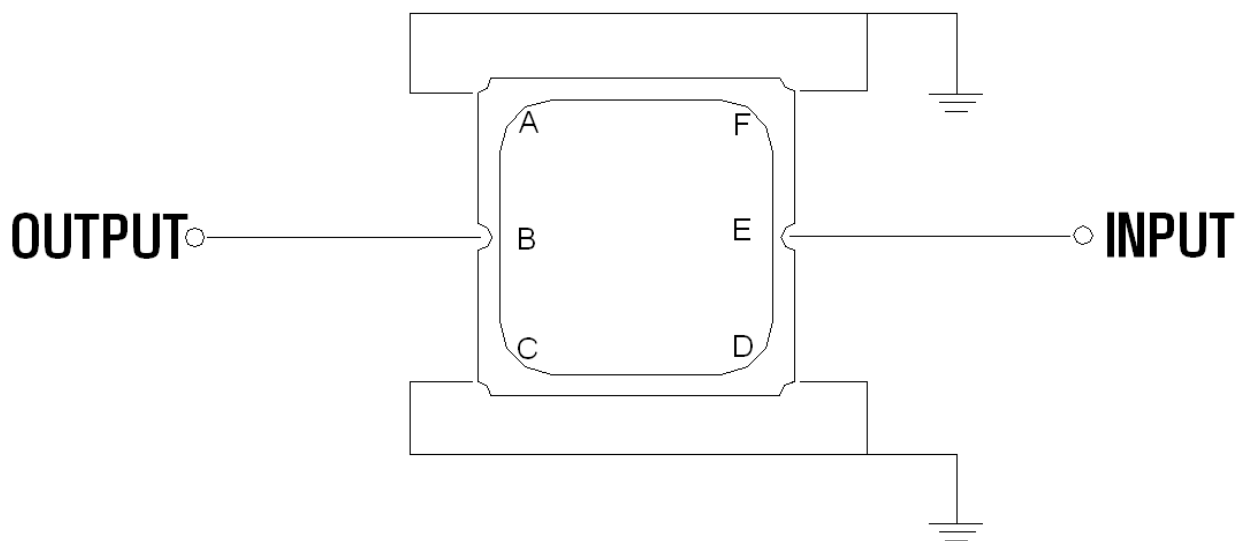
□ Package Dimensions



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

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

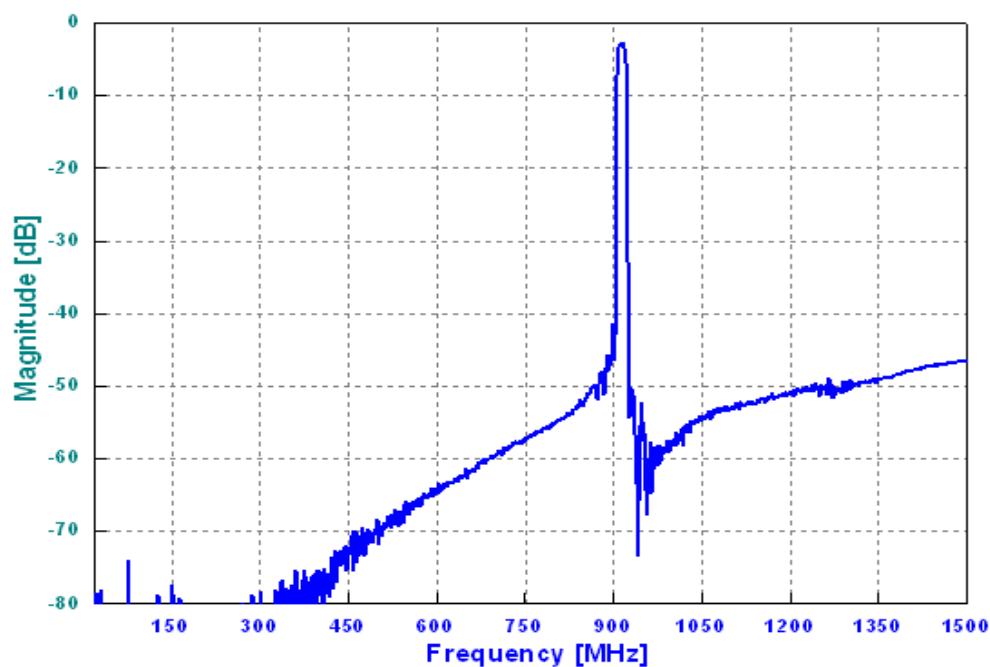
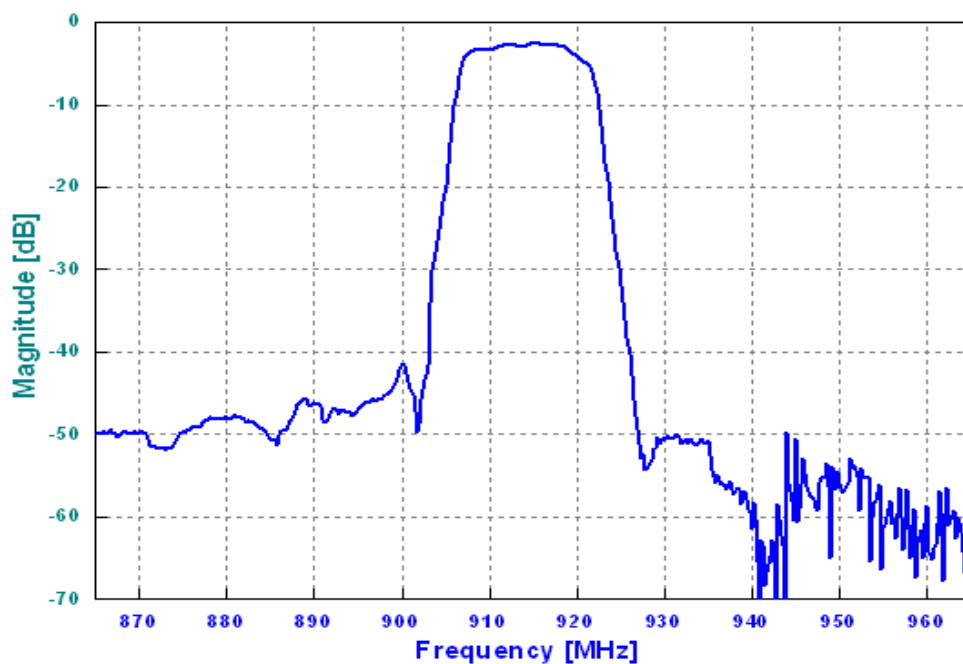
□ Testing Environment



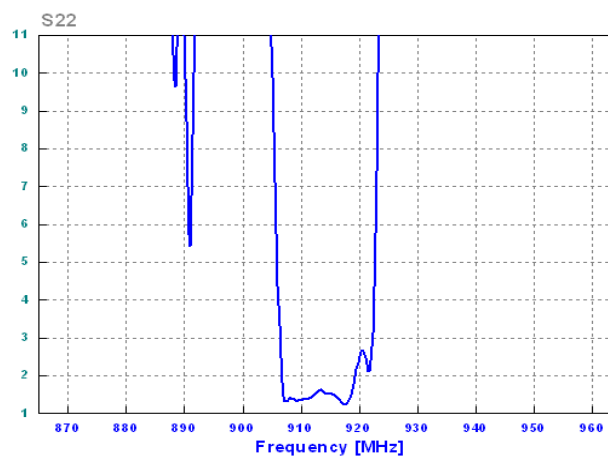
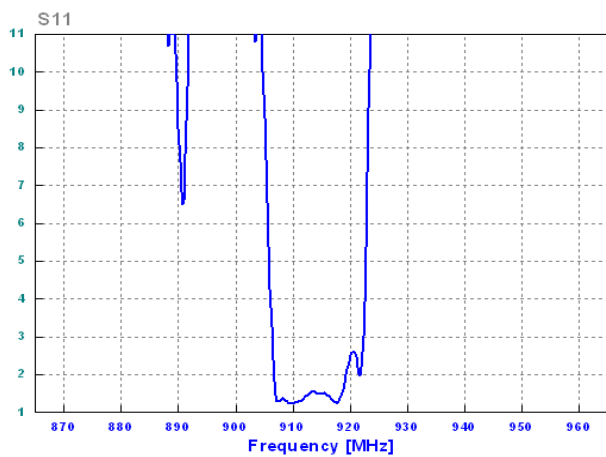
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

