



Total Solution Provider in Saw Device

SA902DM

Wireless, RF SAW Filter
Revision 0: February 2010



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

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□ Electrical Characteristics

Maximum Ratings

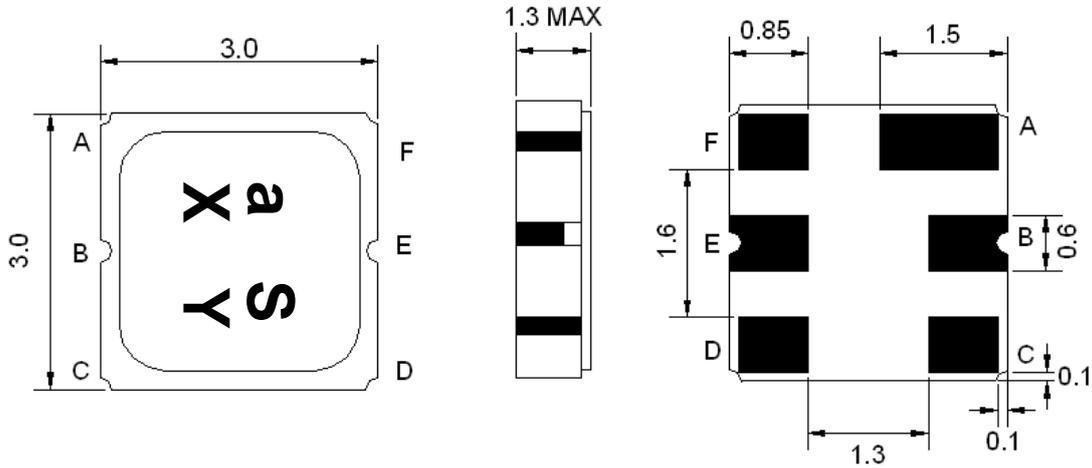
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-25	-	+75
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	20
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	902.5	-
Insertion Loss within 890.0 ~ 915.0 MHz	dB	-	2.55	3.3
Amplitude Ripple within 890.0 ~ 915.0 MHz	dB _{p-p}	-	0.6	1.3
Attenuation:				
D.C. ~ 845.0 MHz	dB	45	54	-
935.0 ~ 980.0 MHz	dB	10	28	-
980.0 ~ 1200.0 MHz	dB	50	55	-
1200.0 ~ 3000.0 MHz	dB	25	30	-
VSWR within 890.0 ~ 915.0 MHz	-	-	1.6	2.2

Notes : (1) No Matching Network .

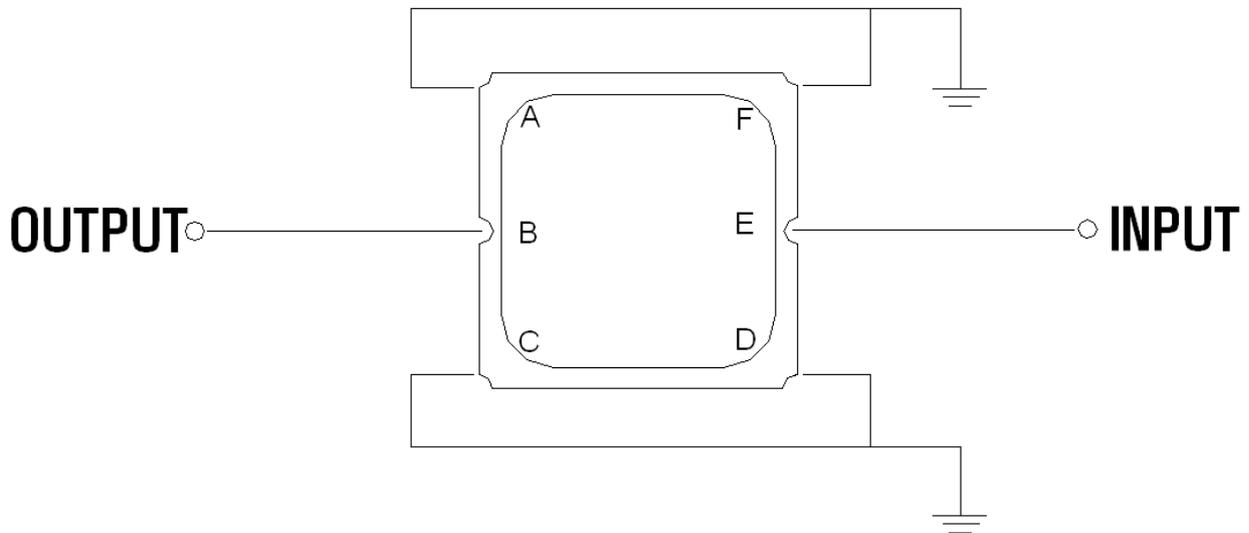
□ Package Dimensions



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

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

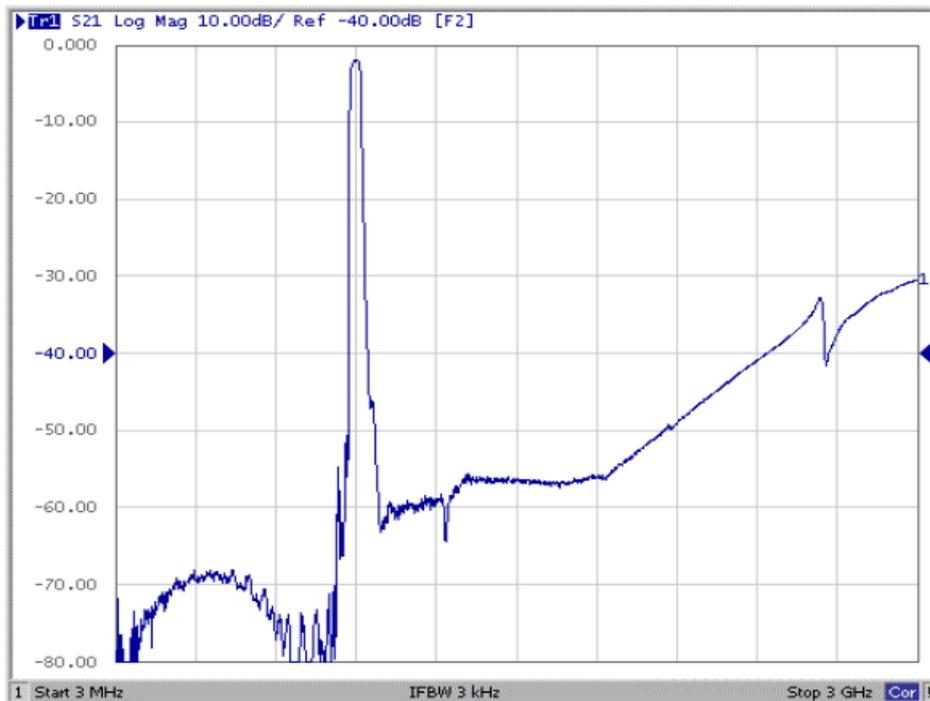
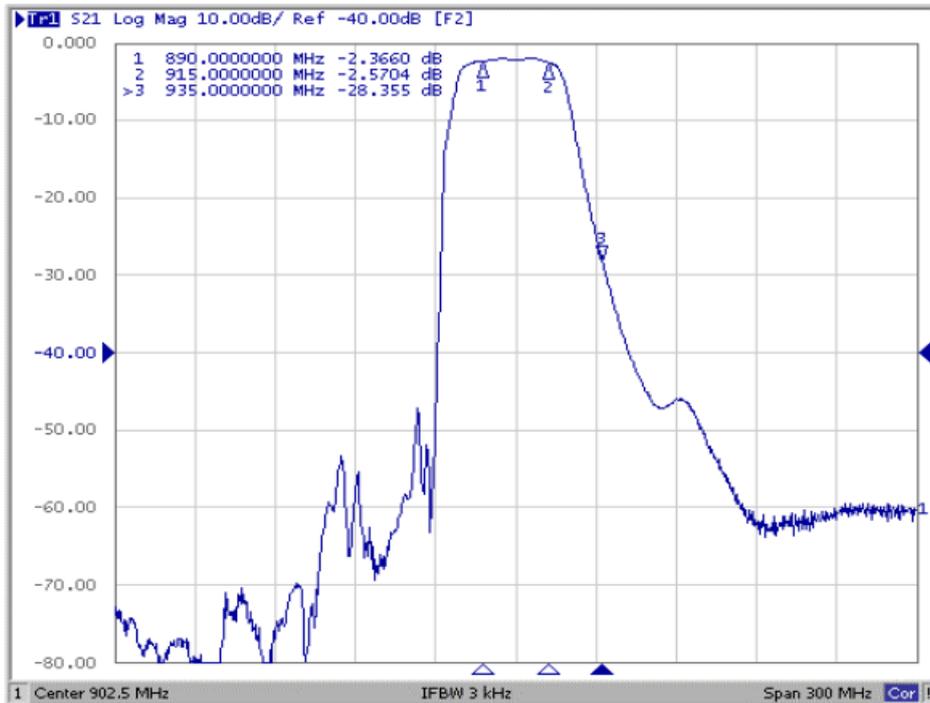
□ Testing Environment



Source & Load Impedance: 50 Ω

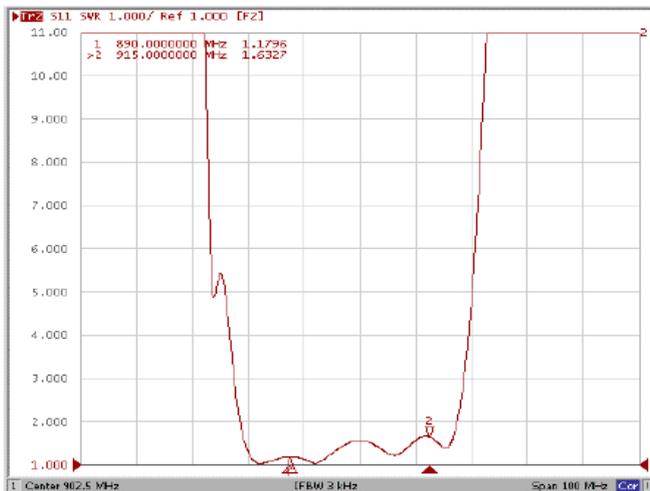
□ Frequency Characteristics

Frequency Response

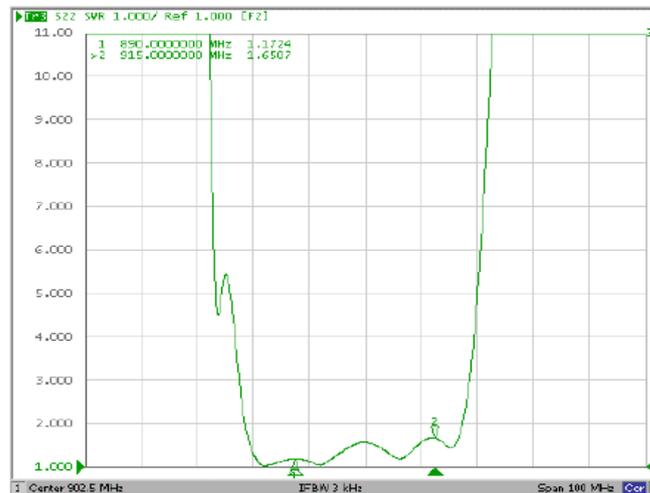


VSWR

S11

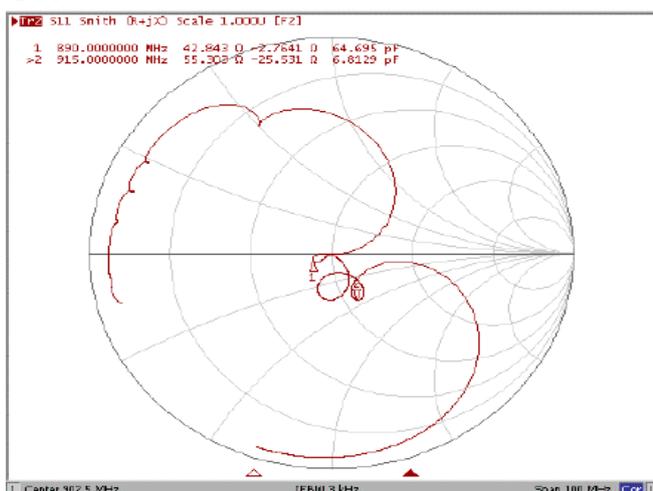


S22



Smith Chart

S11



S22

