



Total Solution Provider in Saw Device

SA978AM

Wireless, RF SAW Filter
Revision 2: March 2012



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

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□ Electrical Characteristics

Maximum Ratings

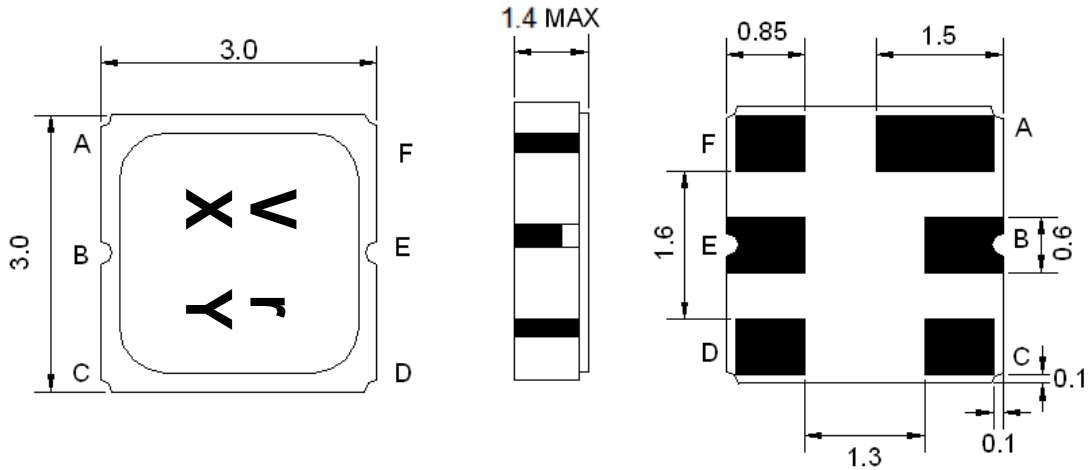
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	0	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	978.0	-
Insertion Loss within 962.0 ~ 994.0 MHz	dB	-	2.85	4.0
Amplitude Ripple within 962.0 ~ 994.0 MHz	dB _{p-p}	-	0.85	1.8
Attenuation: (Reference level from 0dB)				
D.C ~ 900.0 MHz	dB	40	65	-
900.0 ~ 930.0 MHz	dB	35	52	-
1030.0 ~ 2000.0 MHz	dB	25	42	-
VSWR within 962 ~ 994 MHz	-	-	2.15	2.5

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

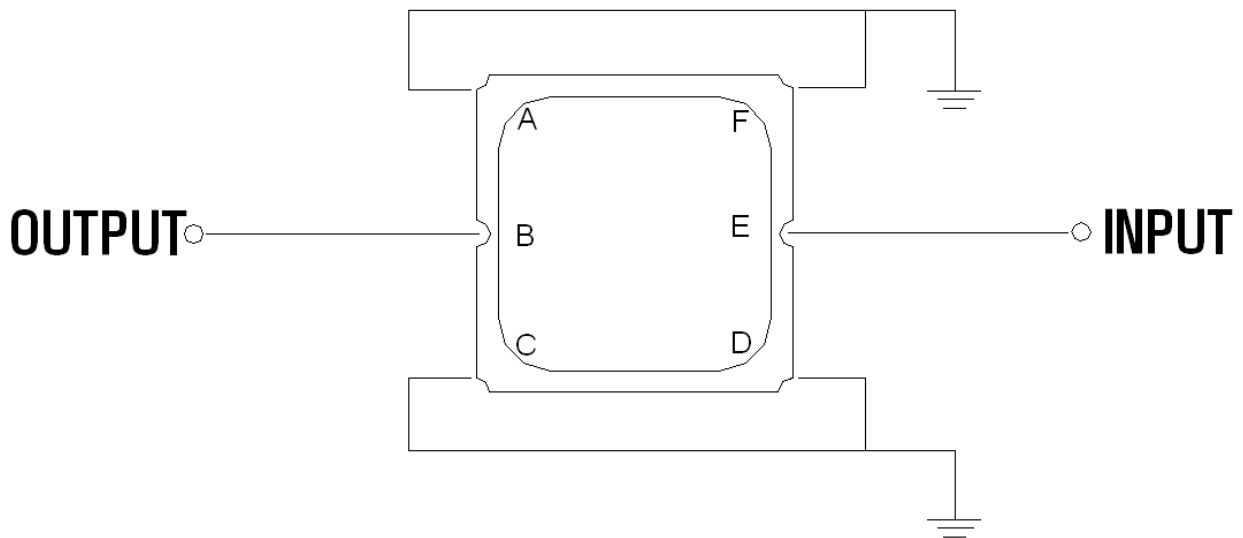
Package Dimensions



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

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

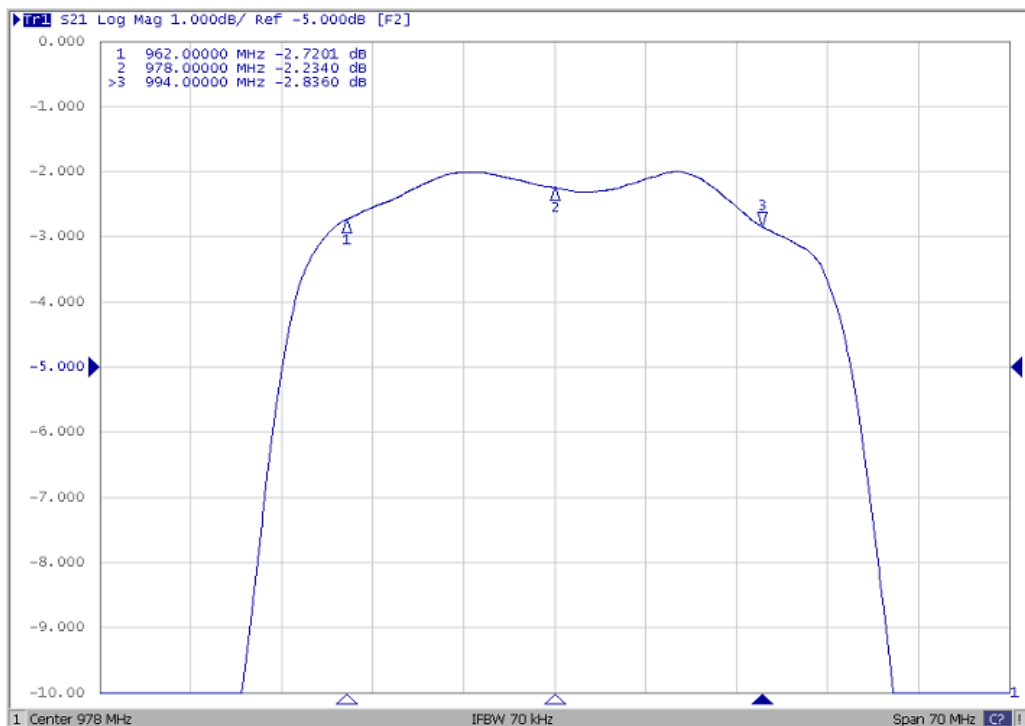
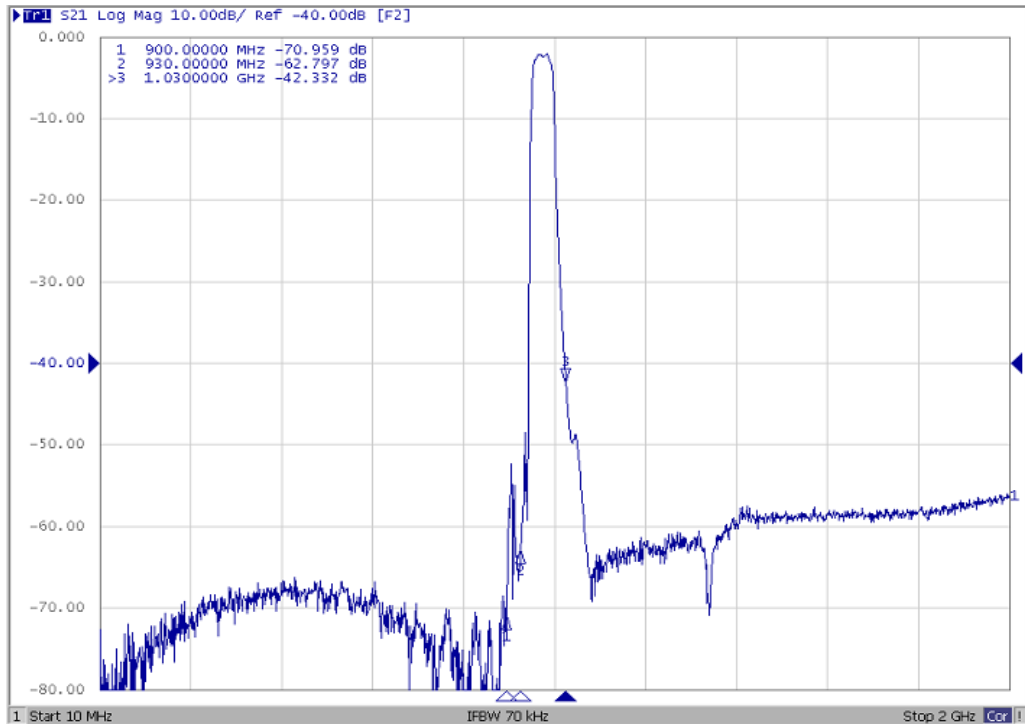
Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

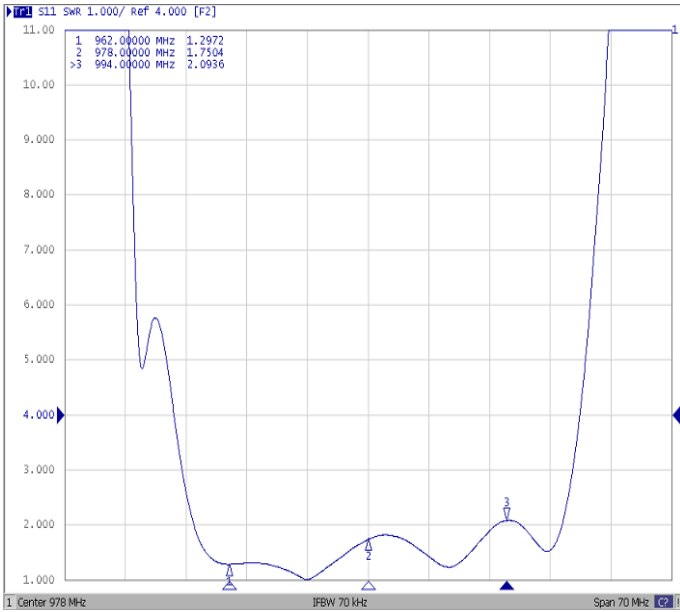
Frequency Response





VSWR

S11



S22

