



Total Solution Provider in Saw Device

SA1030AP1

Wireless , RF SAW Filter

Revision 0: December 2008



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

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□ Electrical Characteristics

Maximum Ratings

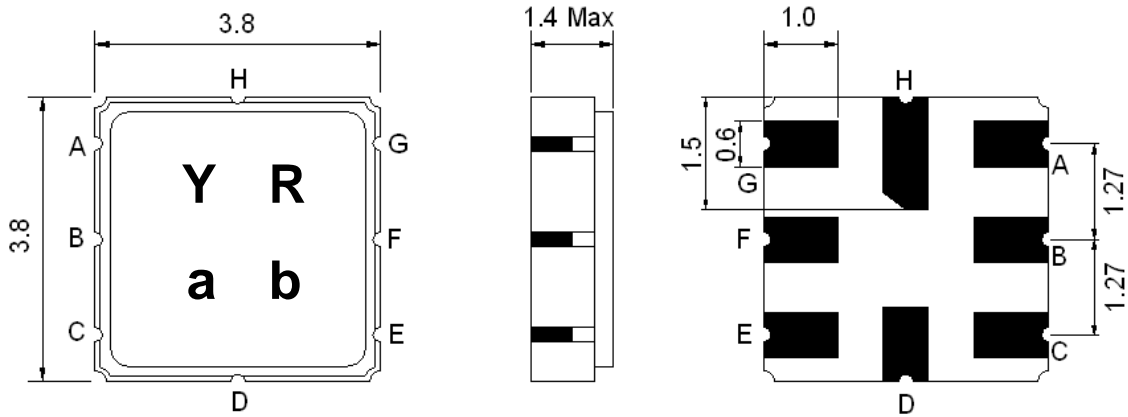
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P1			
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	-	1030.0	-
Insertion Loss within 1015.0 ~ 1045.0 MHz	dB	-	2.3	3.0
Amplitude Ripple within 1025.0 ~ 1035.0 MHz	dB _{p-p}	-	0.25	1.0
Attenuation:				
D.C. ~ 910.0 MHz	dB	25	29.5	-
1090.0 ~ 1200.0 MHz	dB	25	32.5	-
VSWR within 1015.0 ~ 1045.0 MHz	-	-	1.8	2.1

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

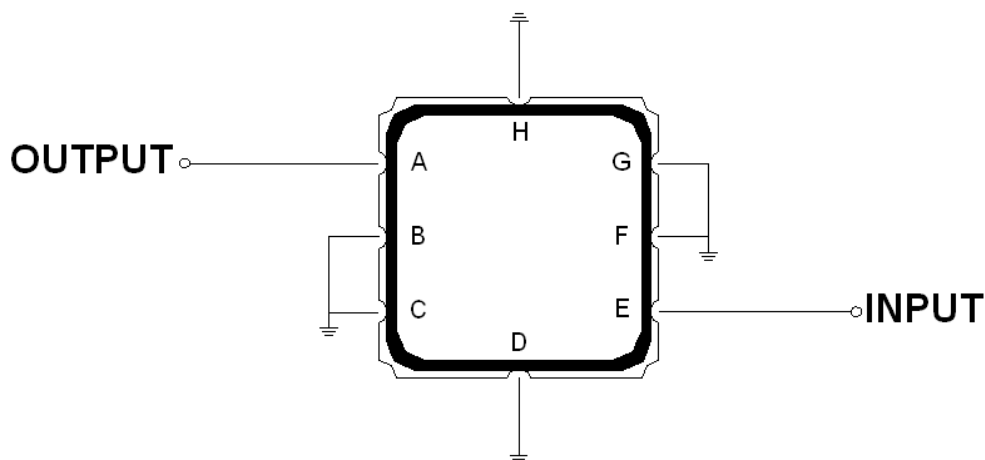
Package Dimensions



Marking Descriptions	
Y	Wireless Application
R	Series Number
a	Date Code(Year)
b	Date Code(Month)

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

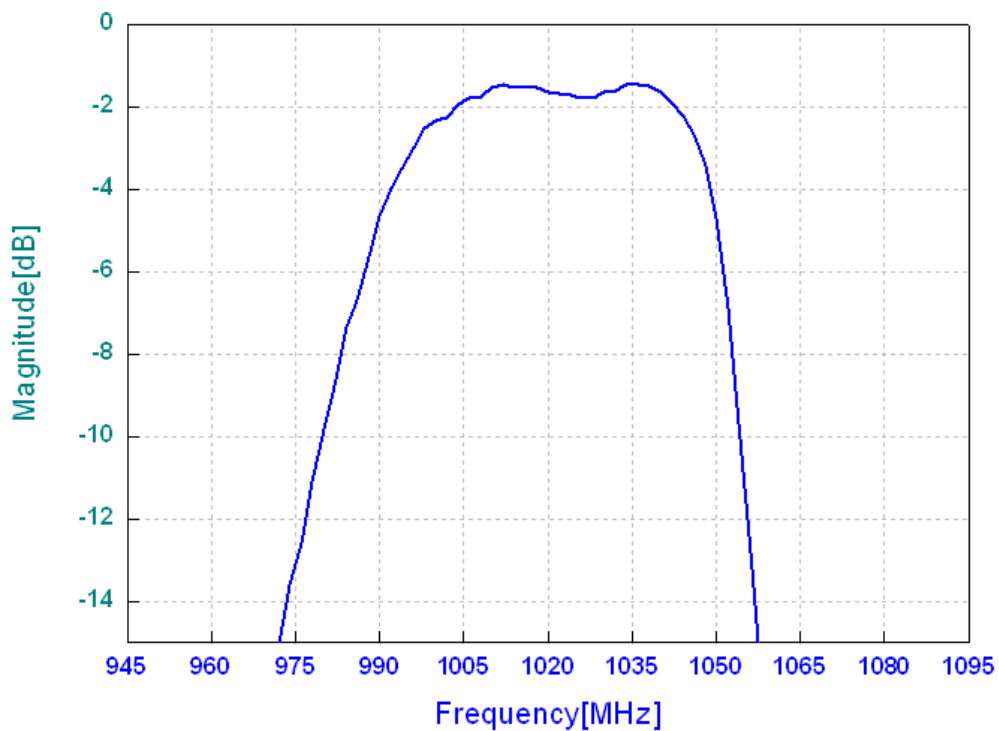
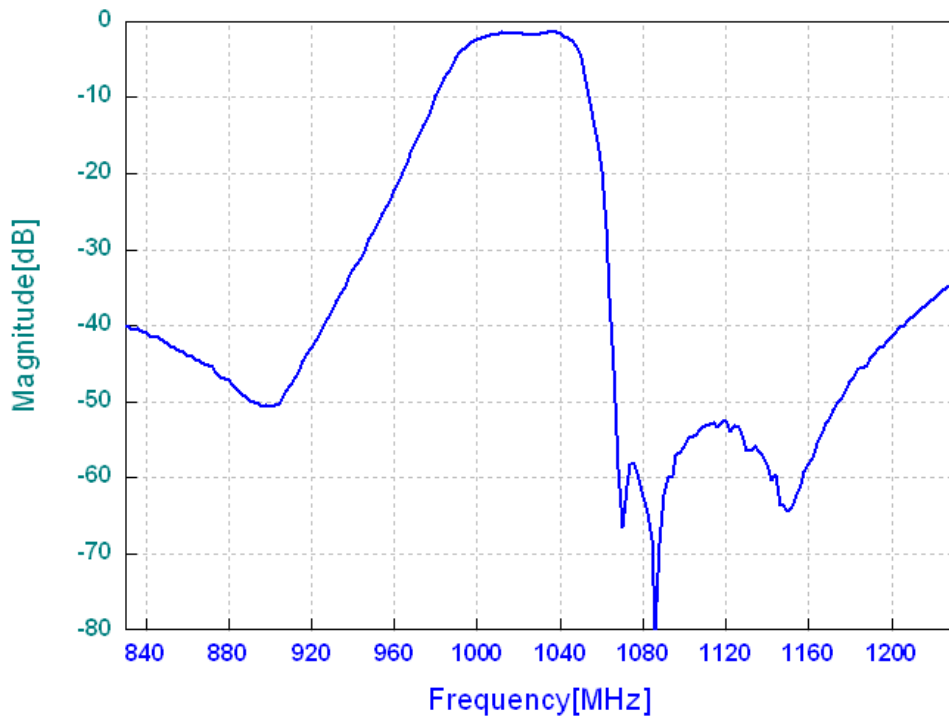
Testing Environment



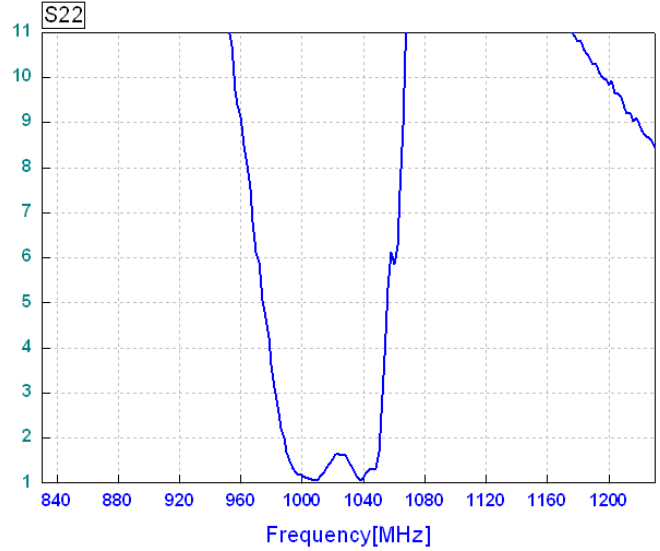
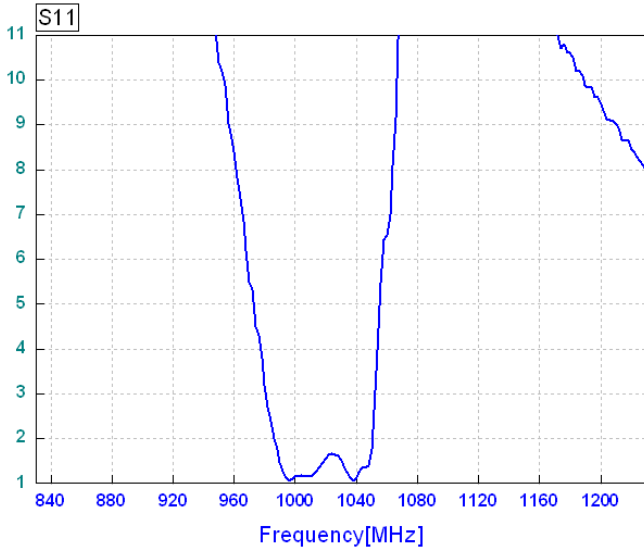
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

