



Total Solution Provider in Saw Device

SA2277AP

Wireless, RF SAW Filter
Revision 0: June 2012



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

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□ Electrical Characteristics

Maximum Ratings

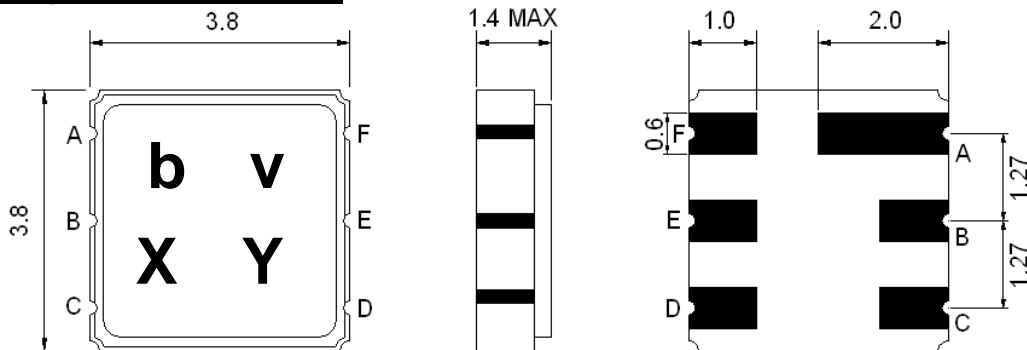
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
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	-	2277.0	-
Insertion Loss within 2262.0 ~ 2292.0 MHz	dB	-	1.8	3.5
Amplitude Ripple within 2262.0~2292.0 MHz	dB _{p-p}	-	0.6	1.2
1dB Bandwidth	MHz	35	58	-
40dB Bandwidth	MHz	-	151	160
Attenuation:				
200.0 ~ 2077.0 (Fo-200.0) MHz	dB	35	39	-
2477.0 (Fo+200.0) ~ 3000.0 MHz	dB	35	39	-
2082.0 ~ 2112.0 MHz	dB	40	44	-
VSWR within 2262.0 ~ 2292.0 MHz	-	-	2.0	2.3

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

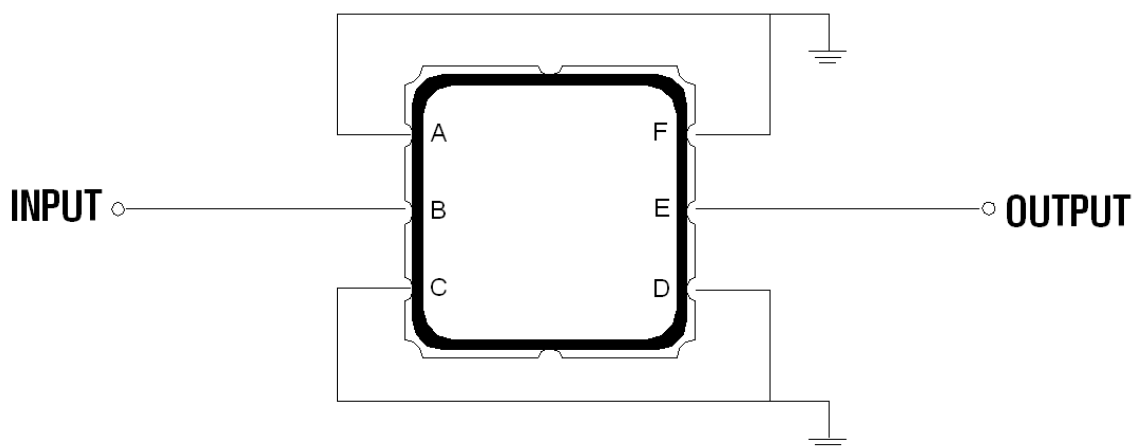
Package Dimensions



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

Pin Description	
A, C, D, F	Ground
B	Input
E	Output

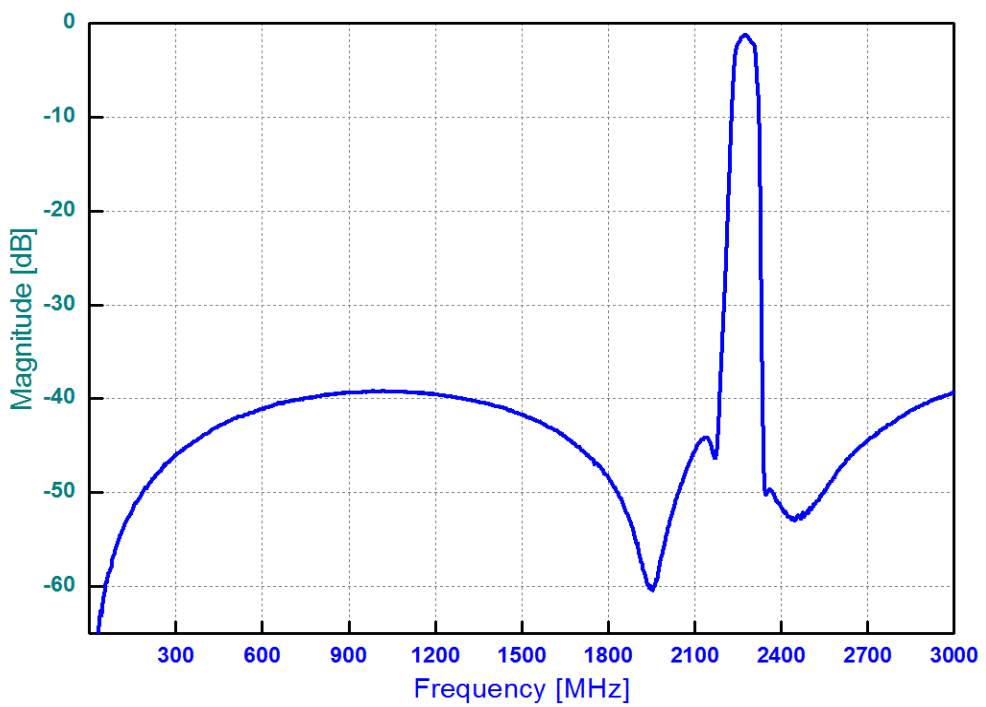
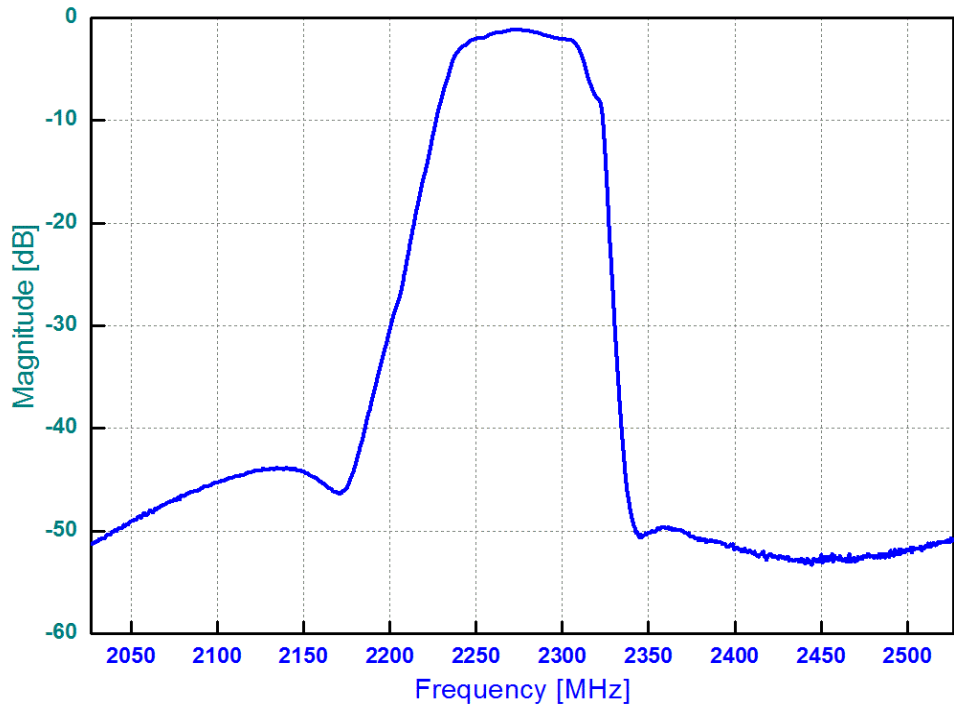
Testing Environment



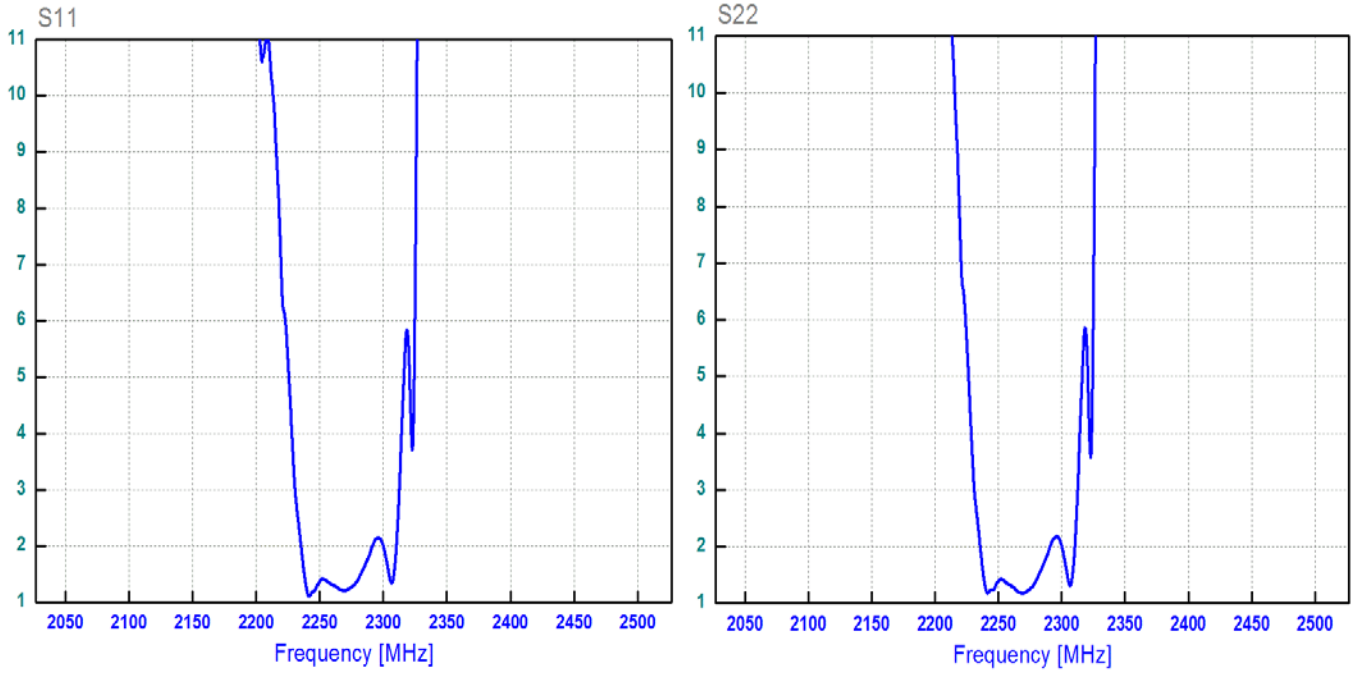
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

