



Total Solution Provider in Saw Device

SA1842AM

PCN, RF SAW Filter
Revision 1: July 2011



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

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Electrical Characteristics

Maximum Ratings

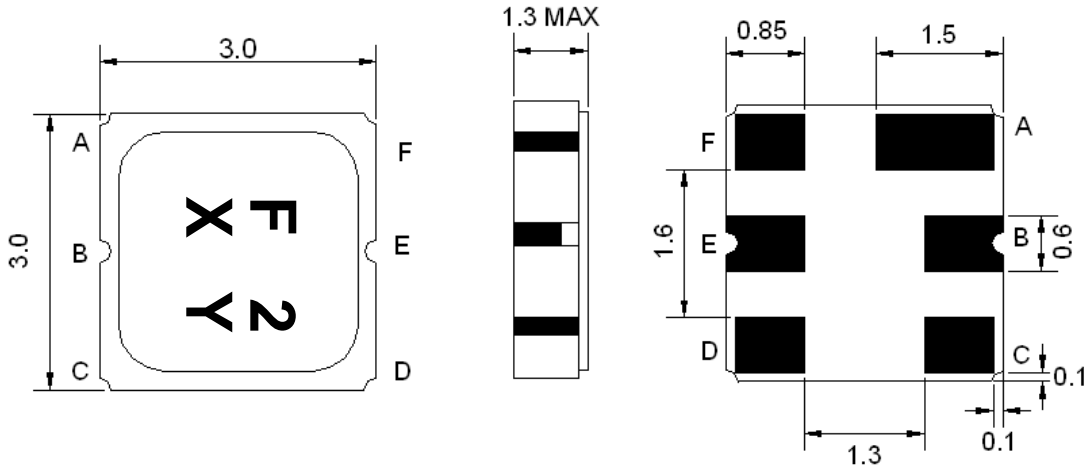
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	1842.5	-
Insertion Loss within 1805~1880 MHz	dB	-	2.3	4.0
Amplitude Ripple within 1805~1880 MHz	dB _{p-p}	-	1.3	2.5
Attenuation:				
D.C ~ 1500 MHz	dB	20	25	-
1600 ~ 1710 MHz	dB	22	27	-
1710 ~ 1785 MHz	dB	10	18	-
1920 ~ 3120 MHz	dB	25	30	-
3120 ~ 4000 MHz	dB	17	26	-
VSWR within 1805~1880 MHz	-	-	2.0	2.5

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

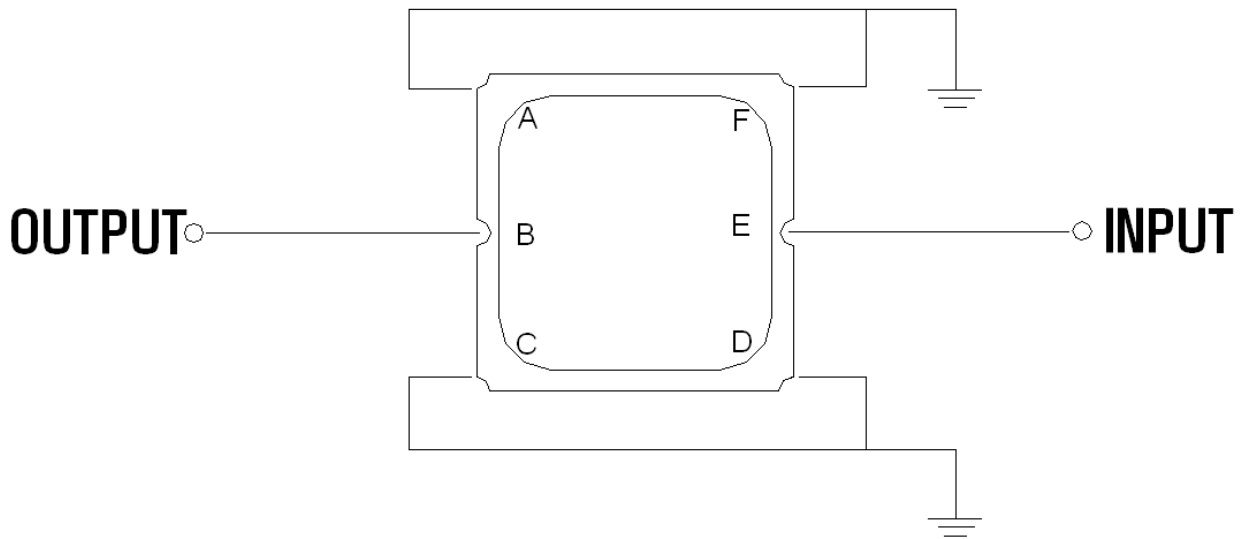
Package Dimensions



Marking Descriptions	
F	PCN Application
2	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

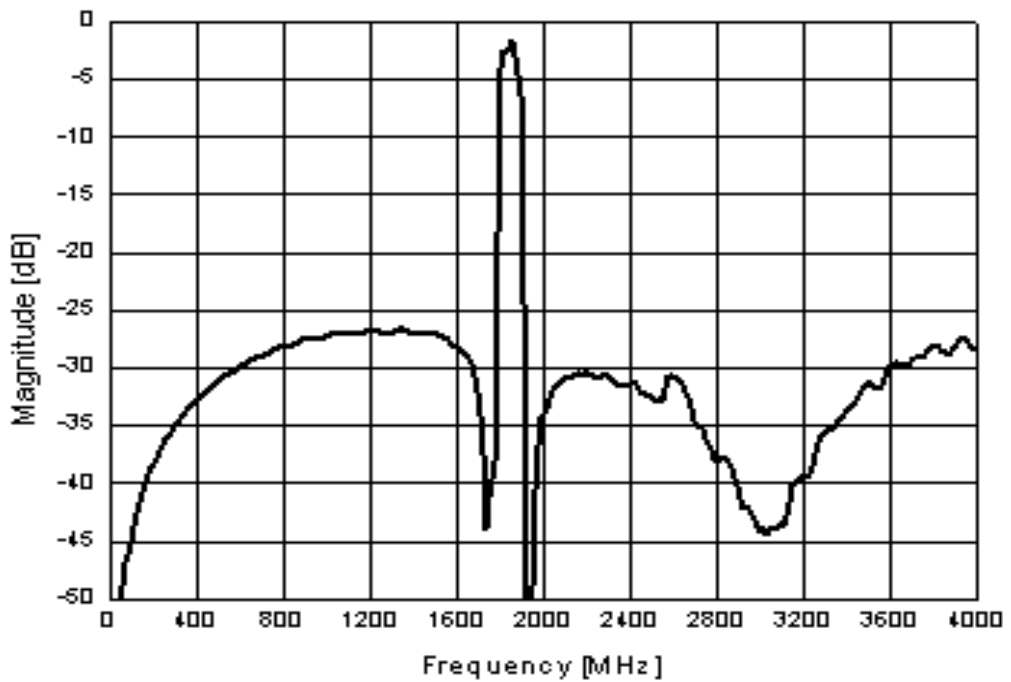
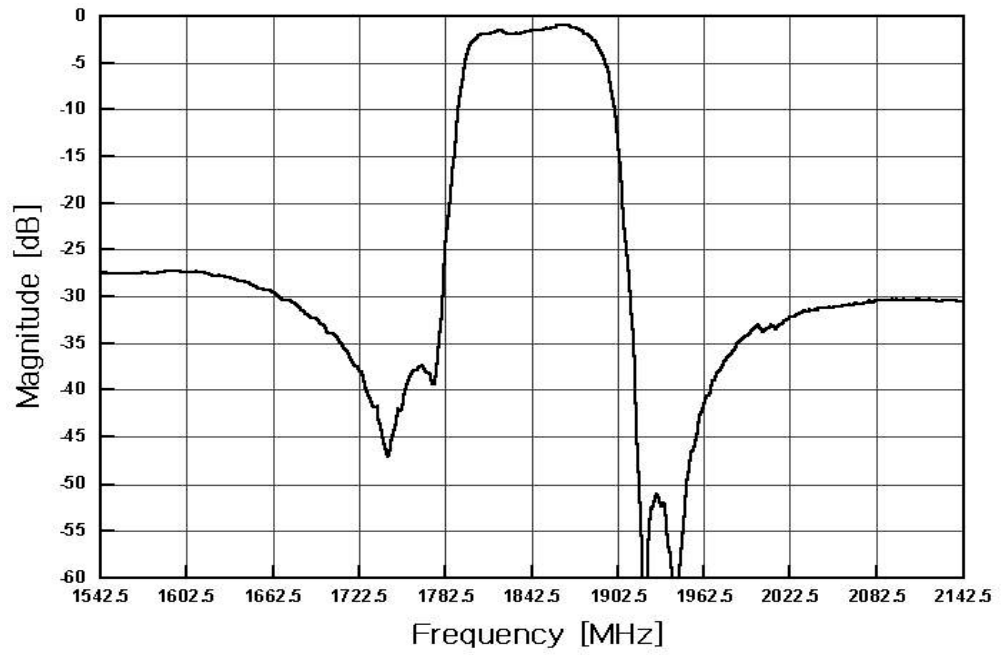
Testing Environment



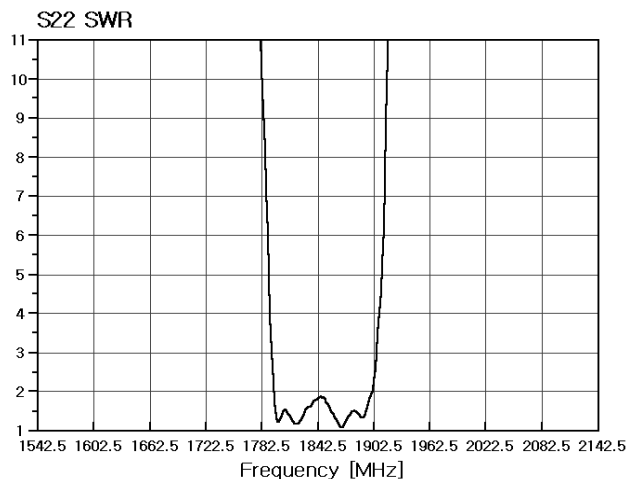
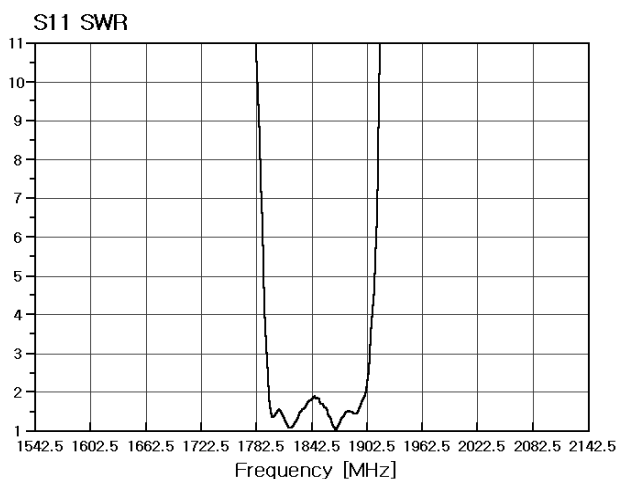
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

