



Total Solution Provider in Saw Device

SA1842GM

PCN, RF SAW Filter

Revision 0: April 2011



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

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□ Electrical Characteristics

Maximum Ratings

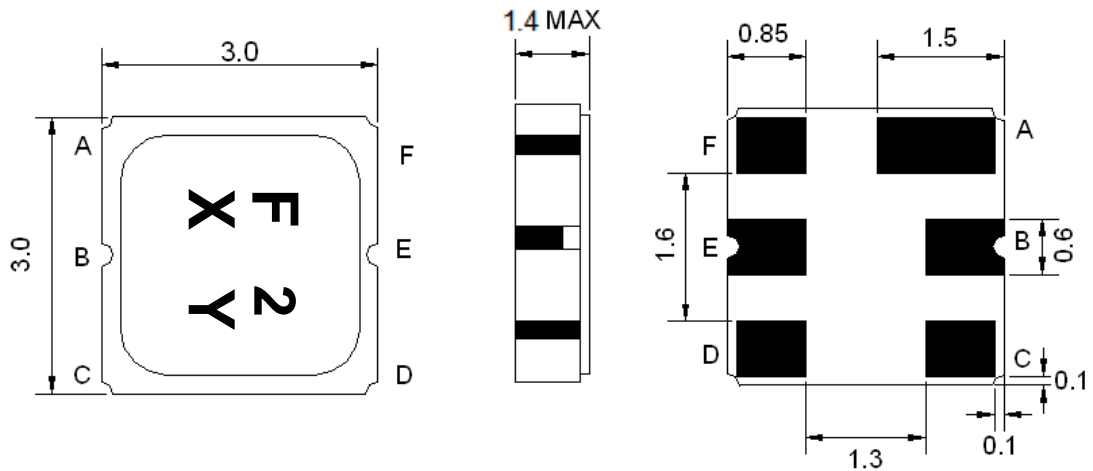
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	0	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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 1805.0 ~ 1880.0 MHz	dB	-	2.5	4.0
Amplitude Ripple within 1805.0 ~ 1880.0 MHz	dB _{p-p}	-	1.3	2.5
Return Loss within 1805.0 ~ 1880.0 MHz	dB	7	8	-
Attenuation:				
1468.0 ~ 1543.0 MHz	dB	20	26	-
1900.0 ~ 3000.0 MHz	dB	5	8	-
20.0 ~ 1400.0 MHz	dB	20	25	-
1973.5 ~ 2048.5 MHz	dB	25	30	-
1636.5 ~ 1711.5 MHz	dB	20	30	-
1710.0 ~ 1785.0 MHz	dB	10	20	-

Notes : (1) No Matching Network .

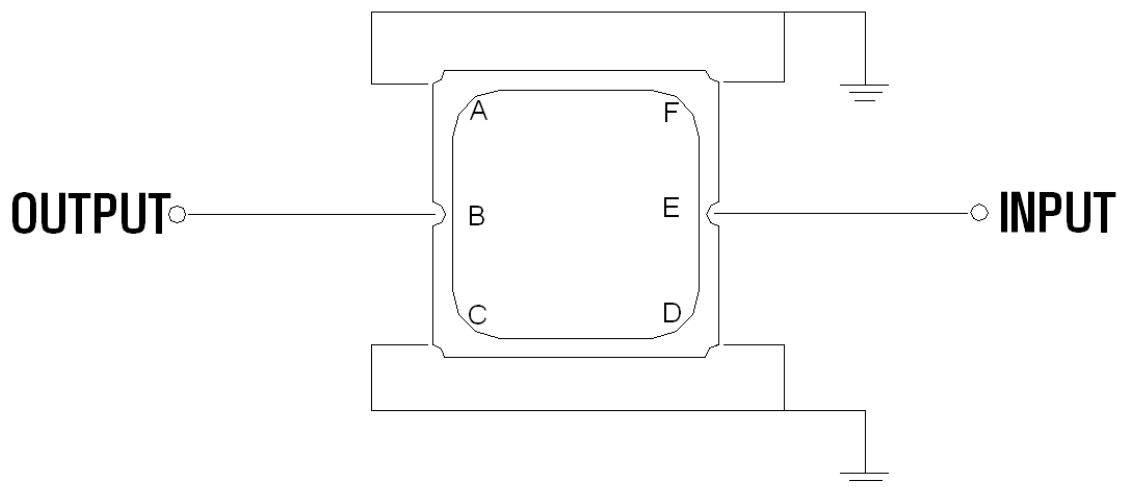
Package Dimensions



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 or Out
B	Out or In

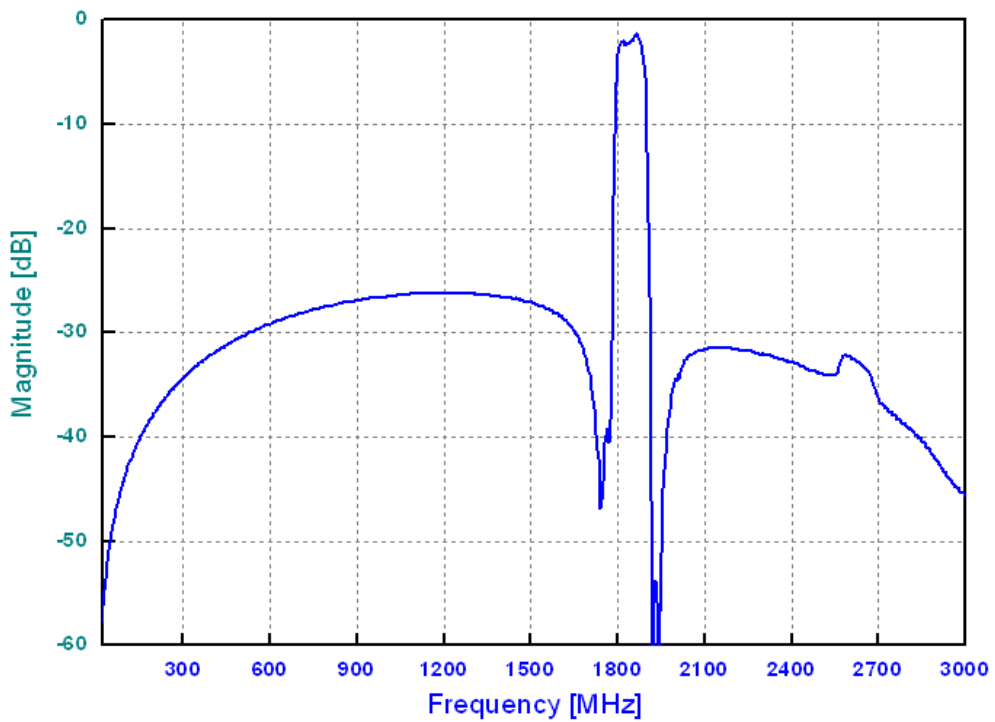
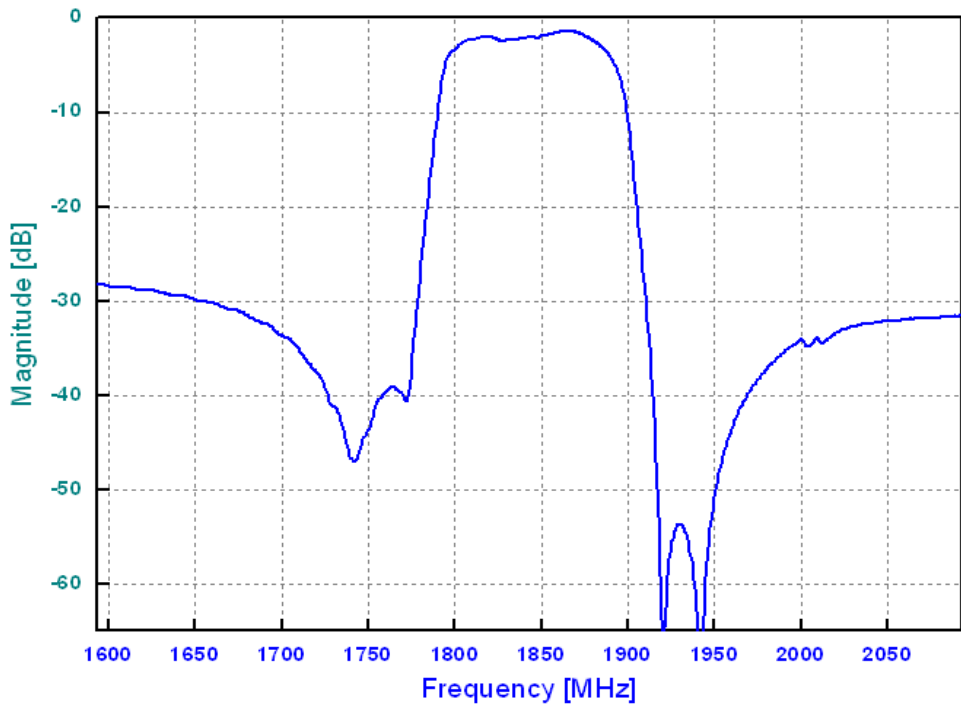
Testing Environment



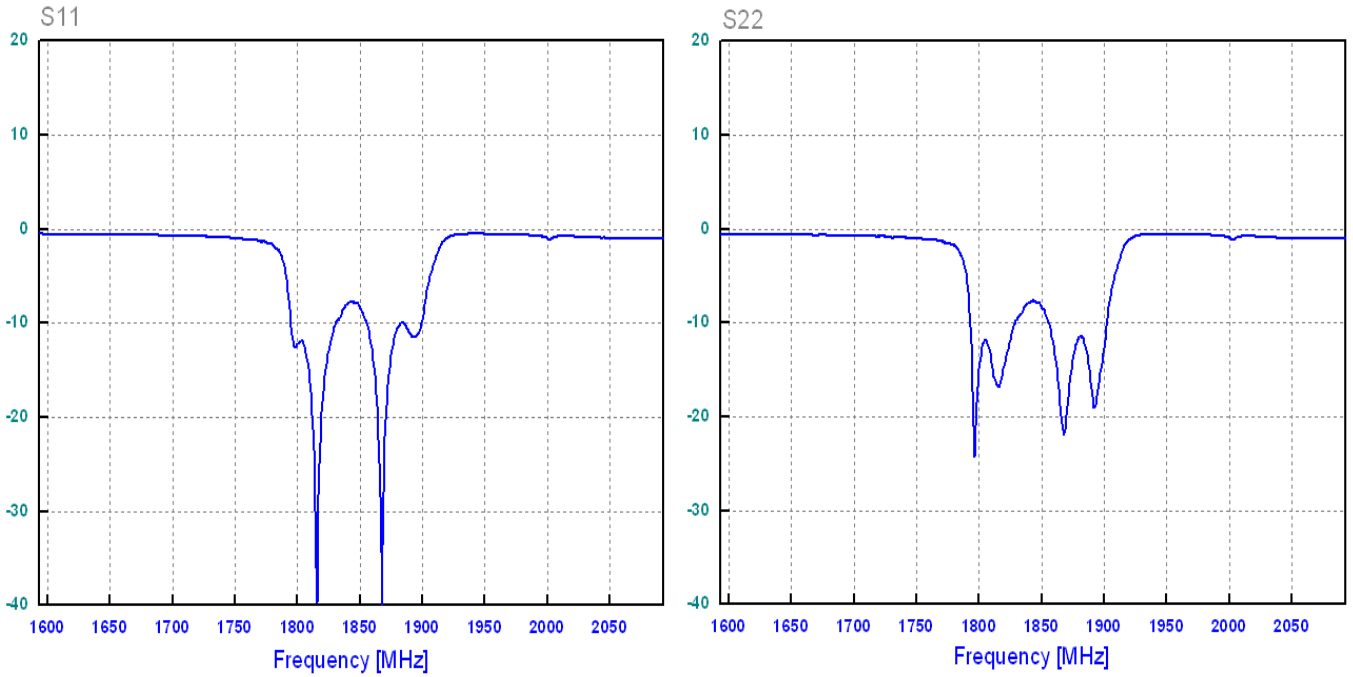
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



Return Loss



Smith Chart

