



Total Solution Provider in Saw Device

SA897AM

EGSM, RF-Tx SAW Filter
Revision 1: July 2011



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

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□ Electrical Characteristics

Maximum Ratings

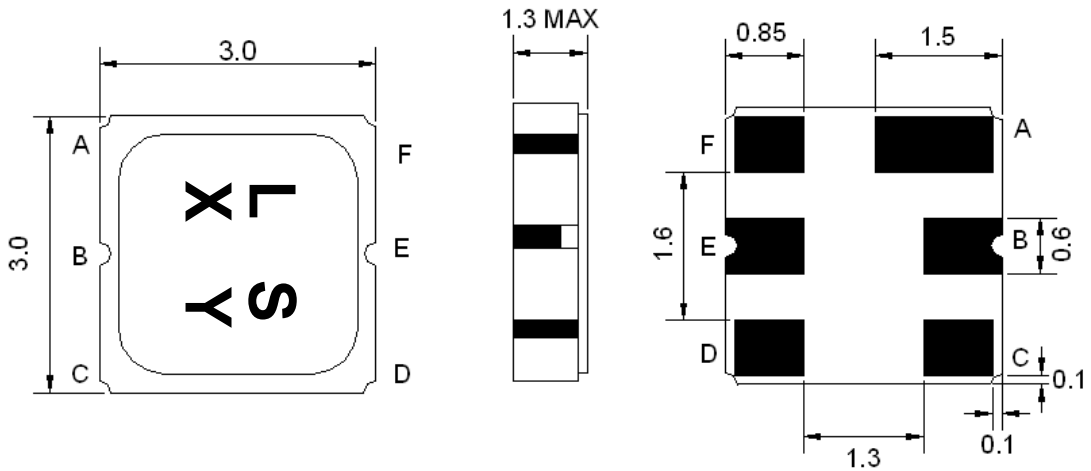
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	897.5	-
Insertion Loss within 880.0 ~ 915.0 MHz	dB	-	2.5	3.5
Amplitude Ripple within 880.0 ~ 915.0 MHz	dB _{p-p}	-	1.2	2.0
Attenuation:				
D.C. ~ 840.0 MHz	dB	17	23	-
840.0 ~ 860.0 MHz	dB	17	29	-
860.0 ~ 865.0 MHz	dB	10	45	-
925.0 ~ 935.0 MHz	dB	4.5	15	-
935.0 ~ 1850.0 MHz	dB	20	24	-
1850.0 ~ 3660.0 MHz	dB	10	15	-
VSWR within 880.0 ~ 915.0 MHz	-	-	2.0	2.5

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

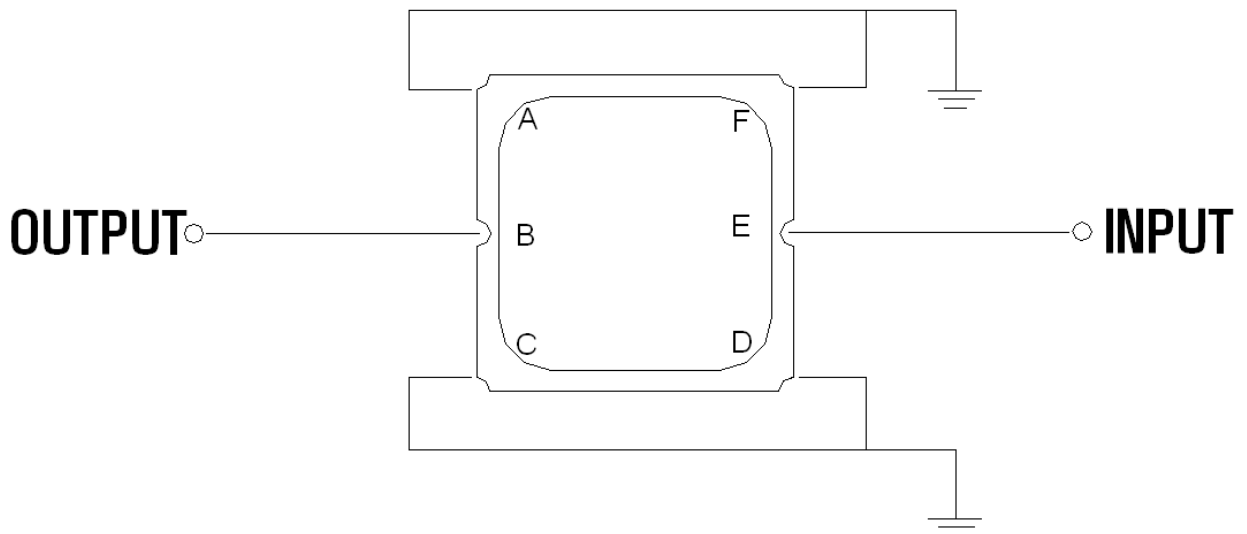
Package Dimensions



Marking Descriptions	
L	EGSM Application
S	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

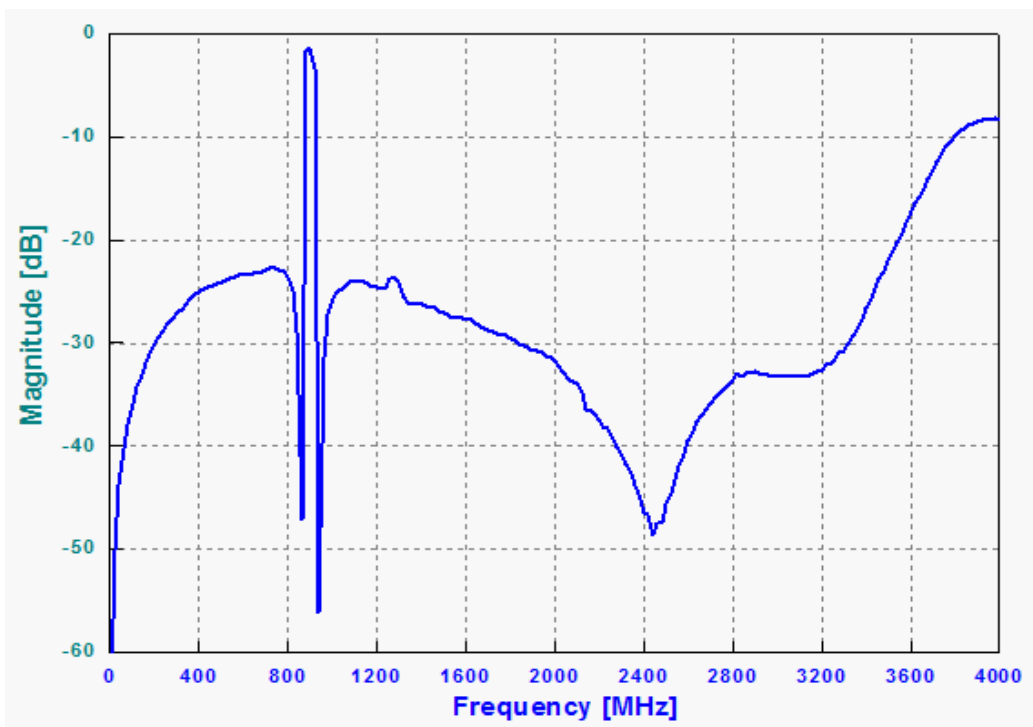
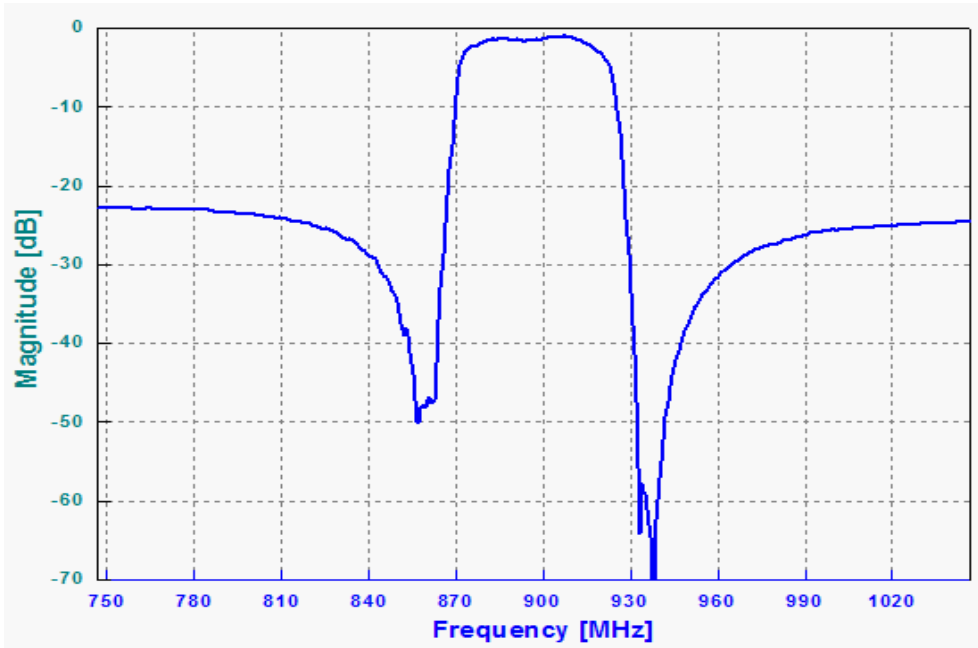
Testing Environment



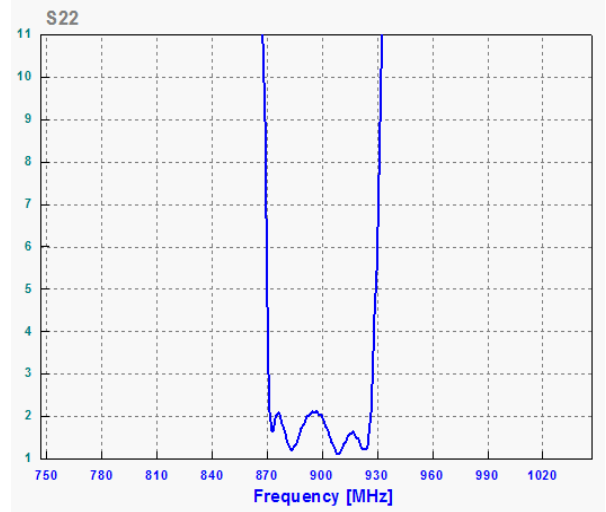
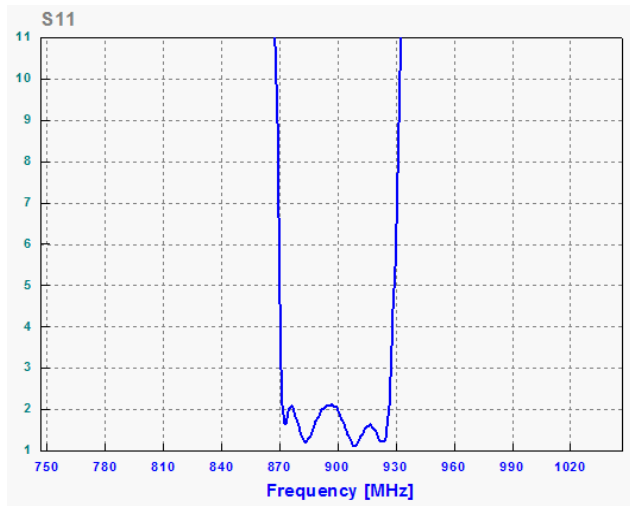
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

