

SA2441AM

Bluetooth, RF SAW Filter

Revision 1: May 2017



- ☐ Electrical Characteristics
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 - ☐ Testing Environment
 - ☐ Frequency Characteristics
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□ Electrical Characteristics

Maximum Ratings

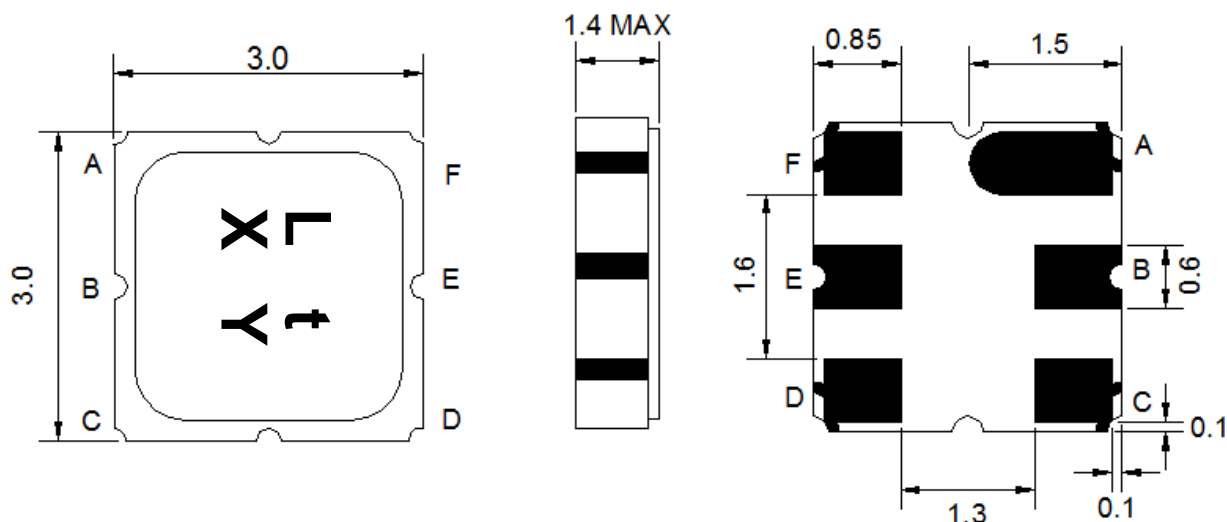
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	-
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	2441.8	-
Insertion Loss within 2400.0 ~ 2483.5 MHz	dB	-	2.1	5.0
Amplitude Ripple within 2400.0 ~ 2483.5 MHz	dB _{p-p}	-	0.9	3.0
Attenuation:				
D.C ~ 1700.0 MHz	dB	20	29	-
1700.0 ~ 2200.0 MHz	dB	25	30	-
2700.0 ~ 3100.0 MHz	dB	30	40	-
3100.0 ~ 4000.0 MHz	dB	20	29	-
4000.0 ~ 5000.0 MHz	dB	10	20	-
VSWR within 2400.0 ~ 2483.5 MHz	-	-	1.7	2.6

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

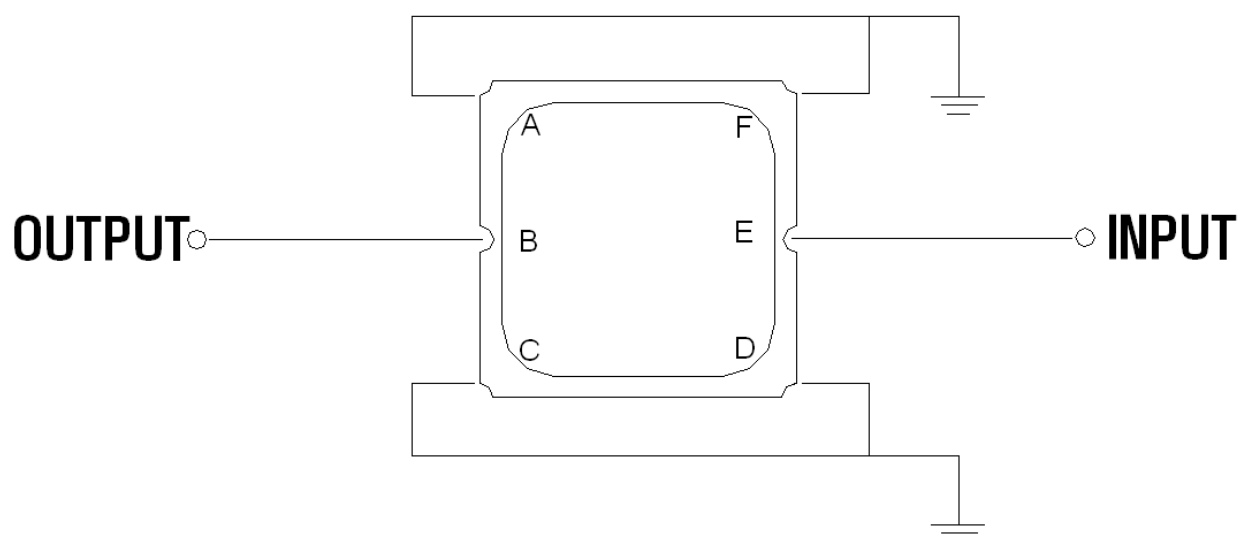
Package Dimensions



Marking Descriptions	
L	Wireless Application
t	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

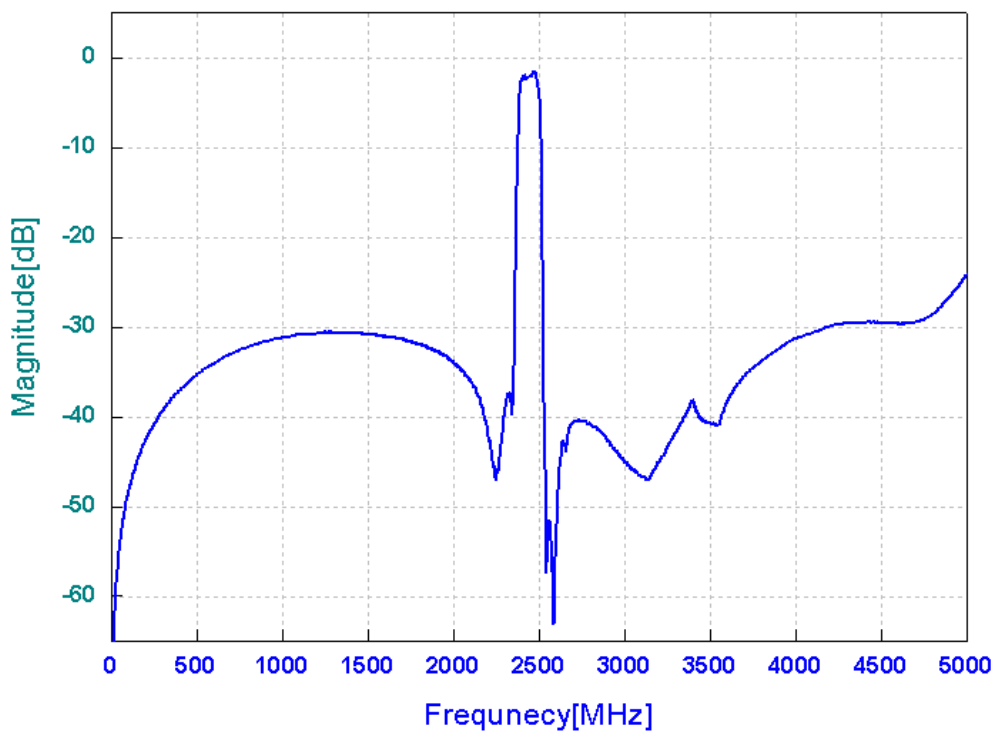
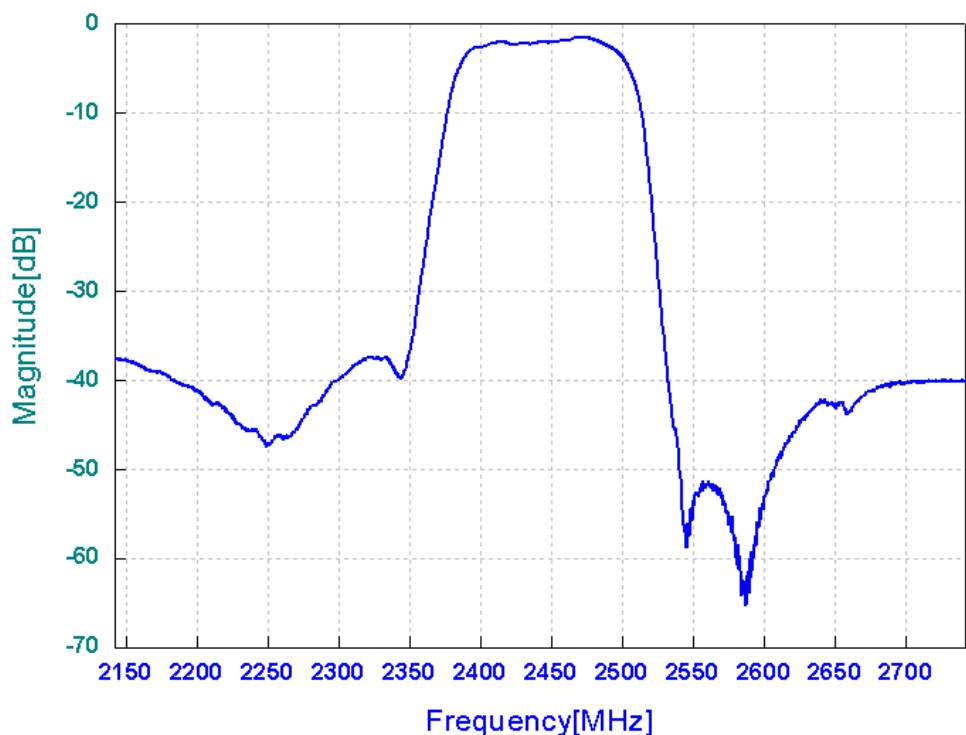
Testing Environment



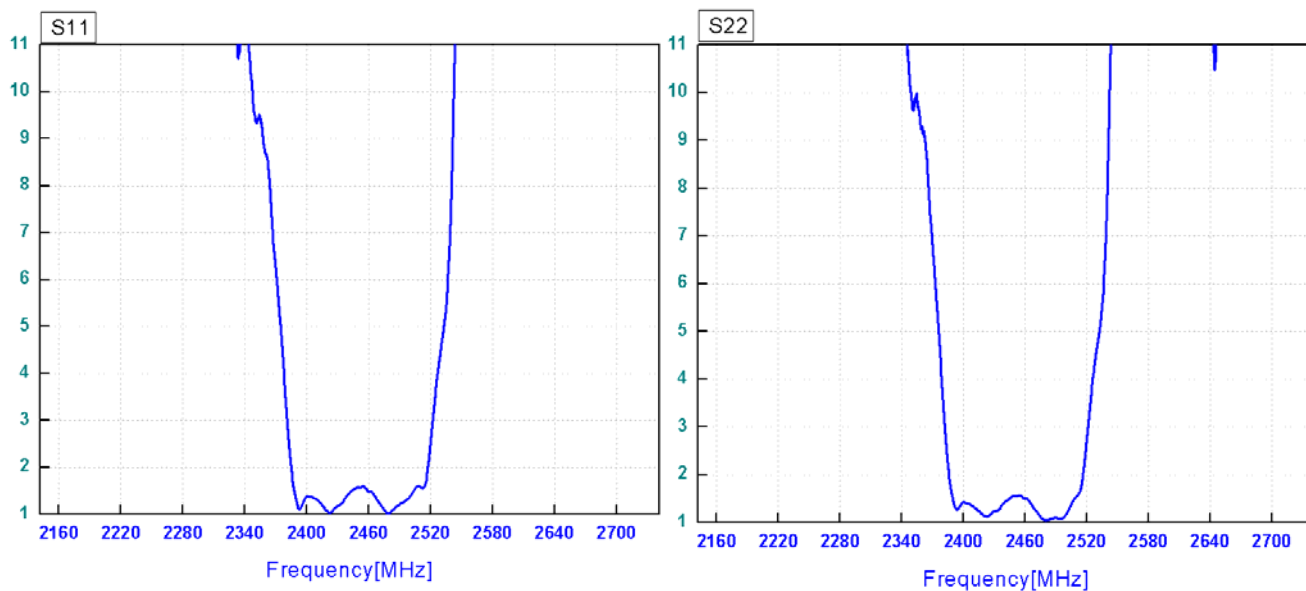
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

