



Total Solution Provider in Saw Device

SA2535BM

WIRELESS, RF SAW Filter
Revision 0: November 2007



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

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□ Electrical Characteristics

Maximum Ratings

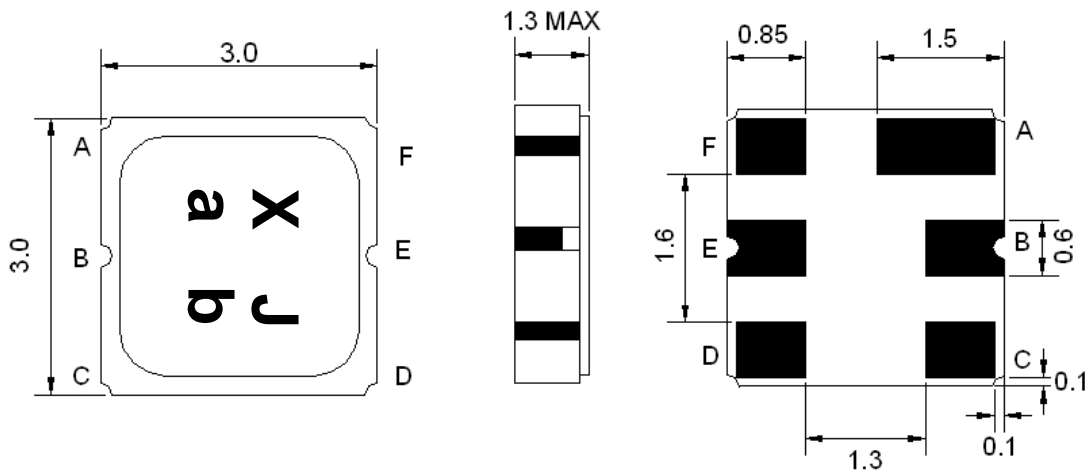
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-20		+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	2535.0	-
Insertion Loss within 2500.0 ~ 2570.0 MHz	dB	-	3.1	3.8
Amplitude Ripple within 2500.0 ~ 2570.0 MHz	dB _{p-p}	-	1.6	2.5
Attenuation:				
2163.0 ~ 2233.0 MHz	dB	35	40	-
2331.5 ~ 2401.5 MHz	dB	35	39	-
2620.0 ~ 2690.0 MHz	dB	40	44	-
Return Loss within 2500.0 ~ 2570.0 MHz	dB	7	10	

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

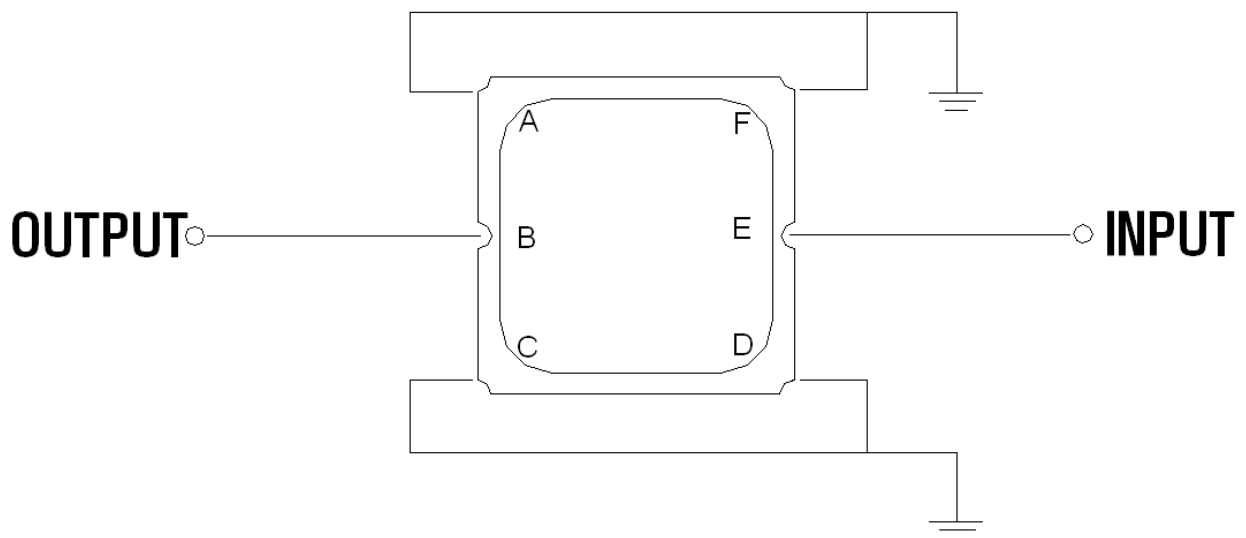
□ Package Dimensions



Marking Descriptions	
X	Wireless Application
J	Series Number
a	Date Code(Year)
b	Date Code(Month)

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

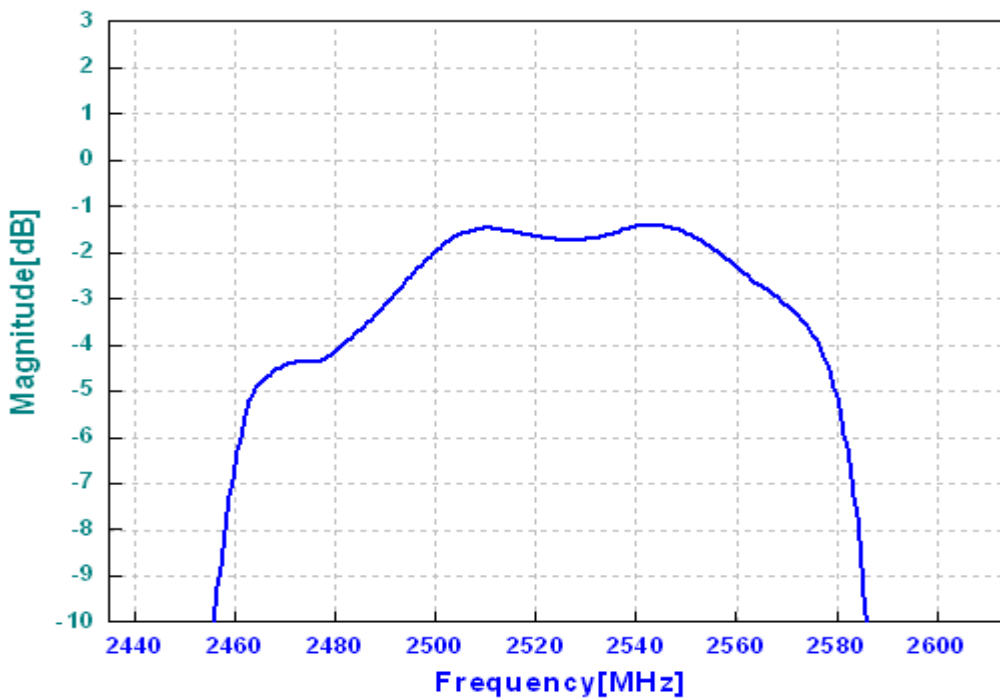
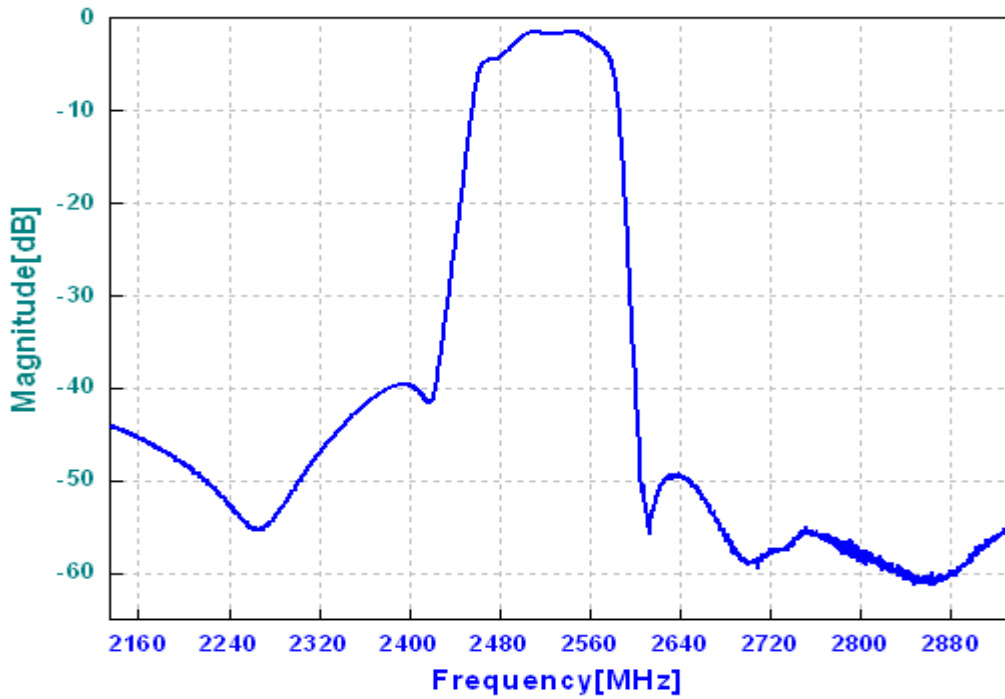
□ Testing Environment



Source & Load Impedance: 50 Ω

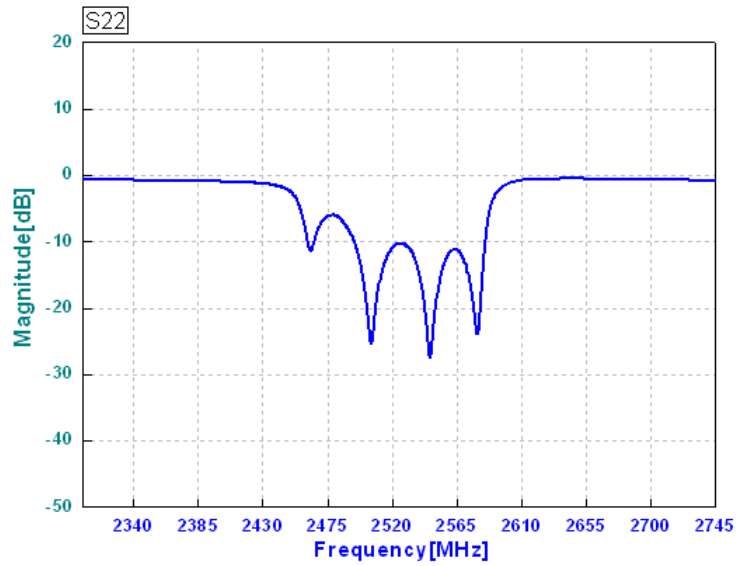
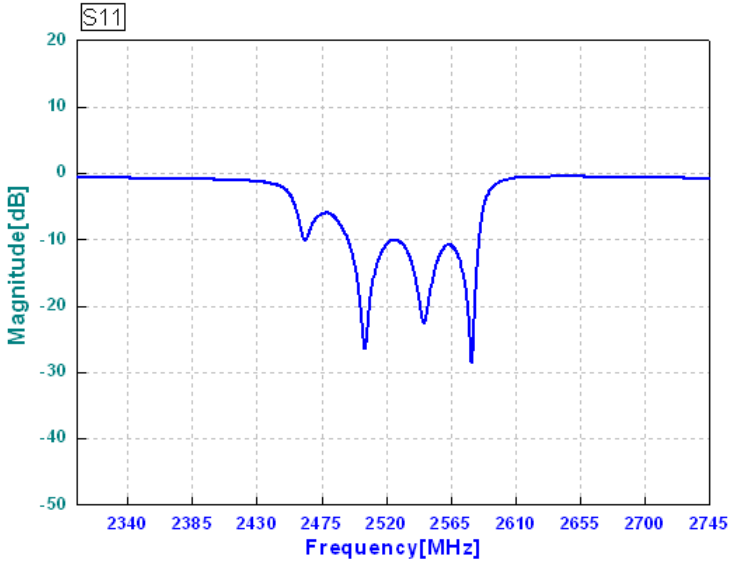
□ Frequency Characteristics

Frequency Response





Return Loss



Smith Chart

