



Total Solution Provider in Saw Device

SA1567BM1

Wireless , RF SAW Filter
Revision 0: May 2010



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

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□ Electrical Characteristics

Maximum Ratings

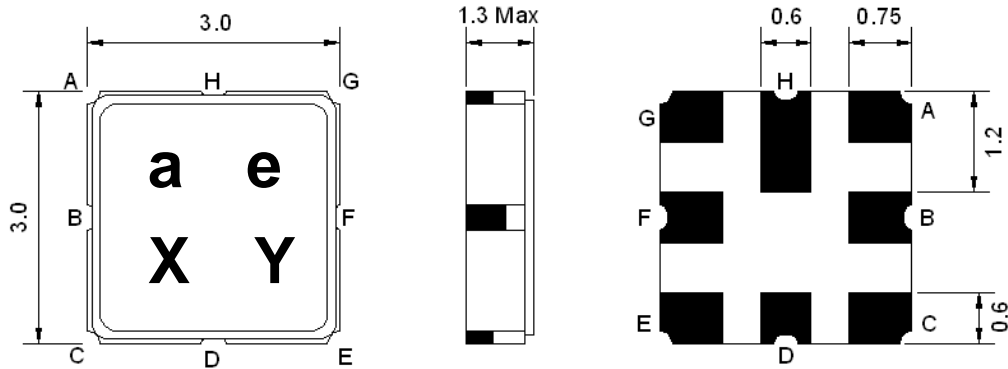
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M1			
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	-	1567.5	-
Insertion Loss within 1525.0 ~ 1610.0 MHz	dB	-	2.8	4.0
Amplitude Ripple within 1525.0 ~ 1610.0 MHz	dB _{p-p}	-	1.0	2.0
Group Delay Ripple within 1525.0 ~ 1610.0 MHz	ns _{p-p}	-	1.5	30
Attenuation:				
D.C. ~ 1450.0 MHz	dB	19	20	-
1650.0 ~ 2000.0 MHz	dB	5	5.5	-
Return Loss within 1525.0 ~ 1610.0 MHz	dB	9	11	-

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

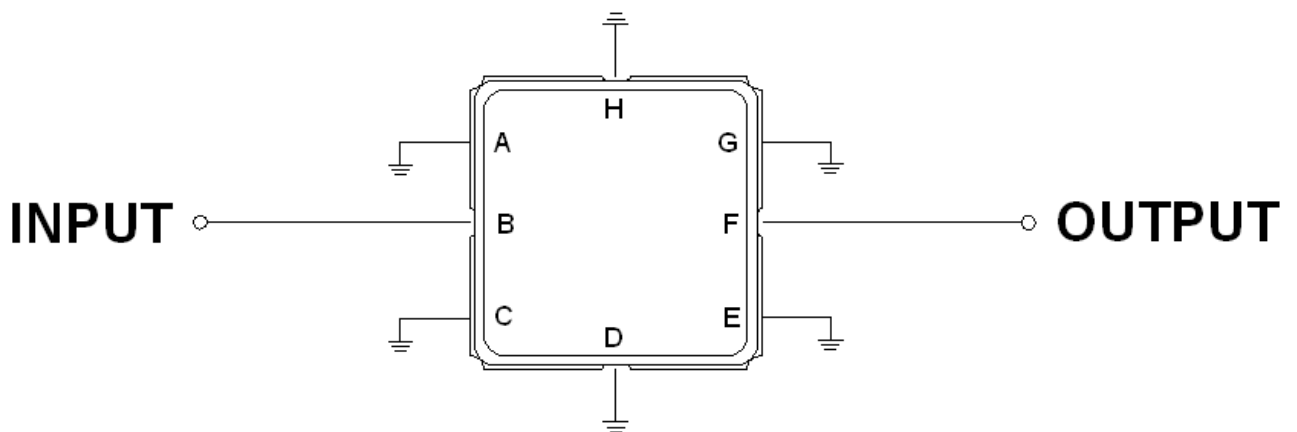
Package Dimensions



Marking Descriptions	
a	Wireless Application
e	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

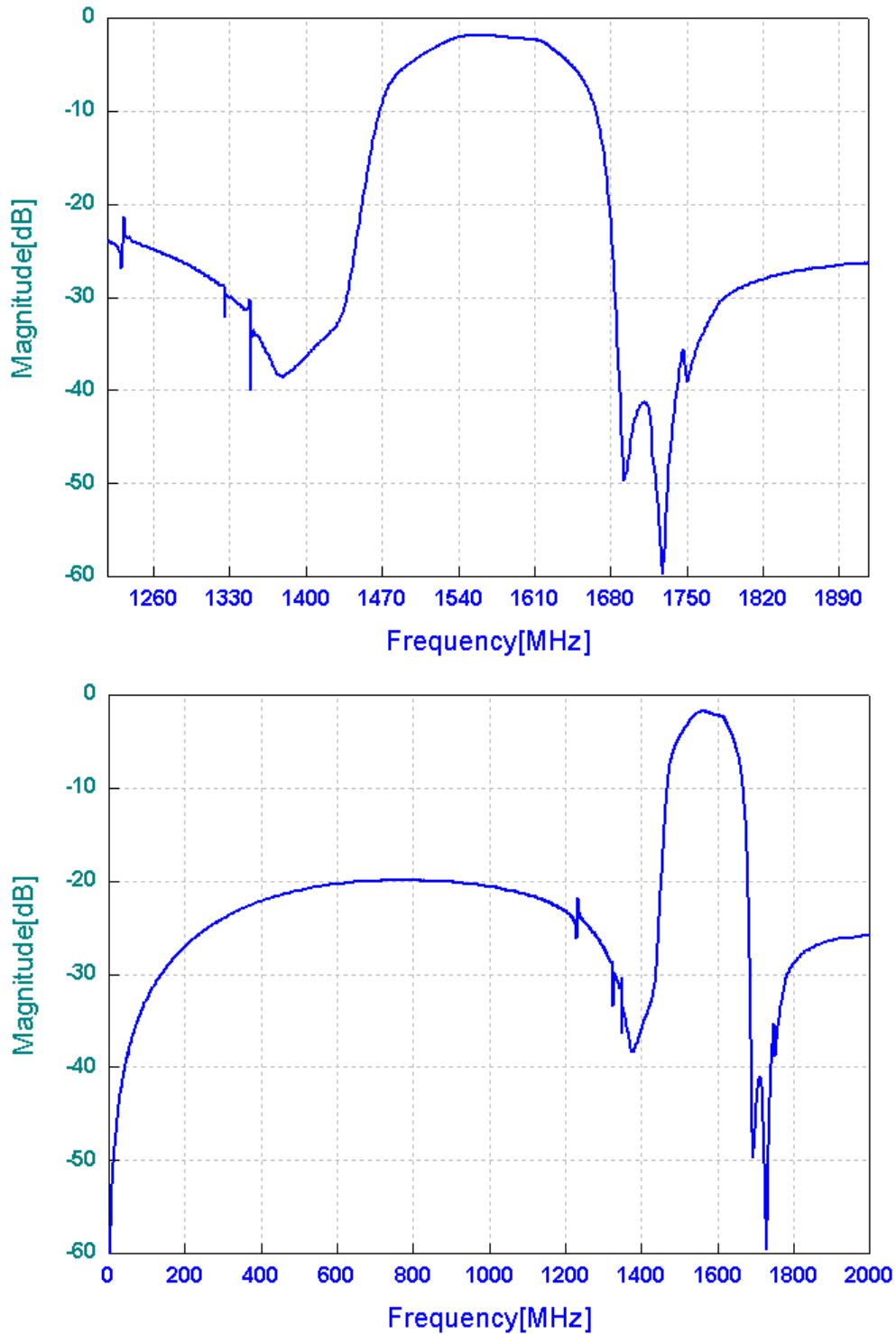
Testing Environment



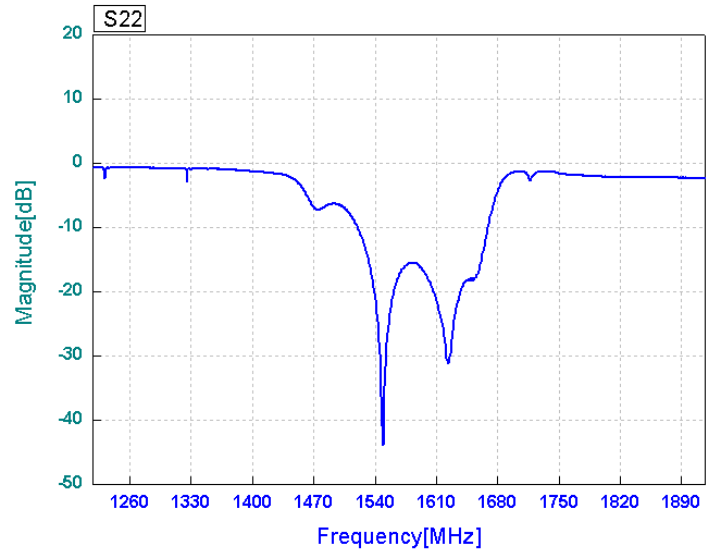
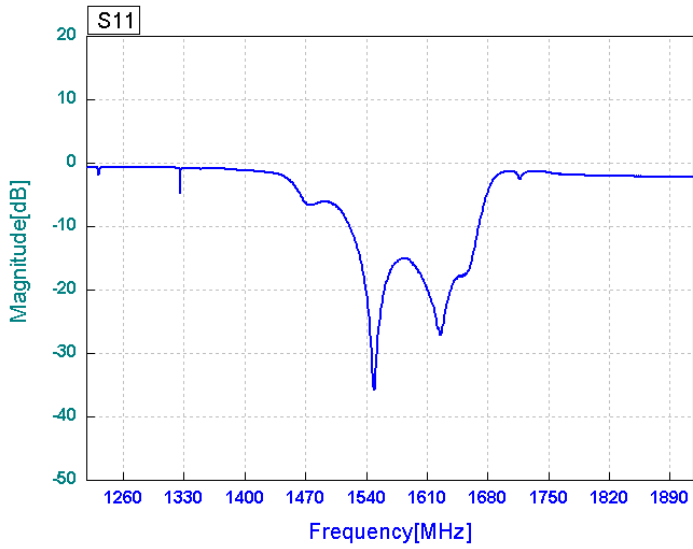
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



Return Loss



Smith Chart

