



Total Solution Provider in Saw Device

SA710AM

Wireless, RF SAW Filter
Revision 0: November, 2009



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

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**Electrical Characteristics****Maximum Ratings**

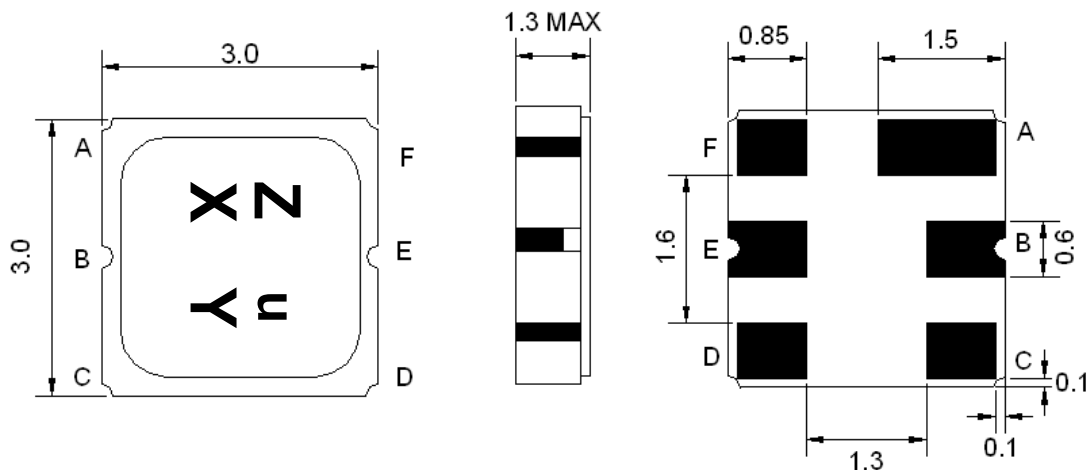
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	0	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	710.0	-
Insertion Loss within 704.0 ~ 716.0 MHz	dB	-	2.0	2.5
Bandwidth	MHz	12	21	-
Amplitude Ripple within 704.0 ~ 716.0 MHz	dB _{p-p}	-	0.9	1.2
Attenuation:				
D.C ~ 690.0 MHz	dB	25	36	-
734.0 ~ 746.0 MHz	dB	35	46	-
594.0 ~ 606.0 MHz	dB	25	36	-
872.0 ~ 885.0 MHz	dB	28	36	-
1040.0 ~ 1052.0 MHz	dB	25	37	-
1052.0 ~ 2000.0 MHz	dB	20	23	-
2000.0 ~ 3000.0 MHz	dB	5	7	-
Return Loss within 704.0 ~ 716.0 MHz	dB	10	12	-

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

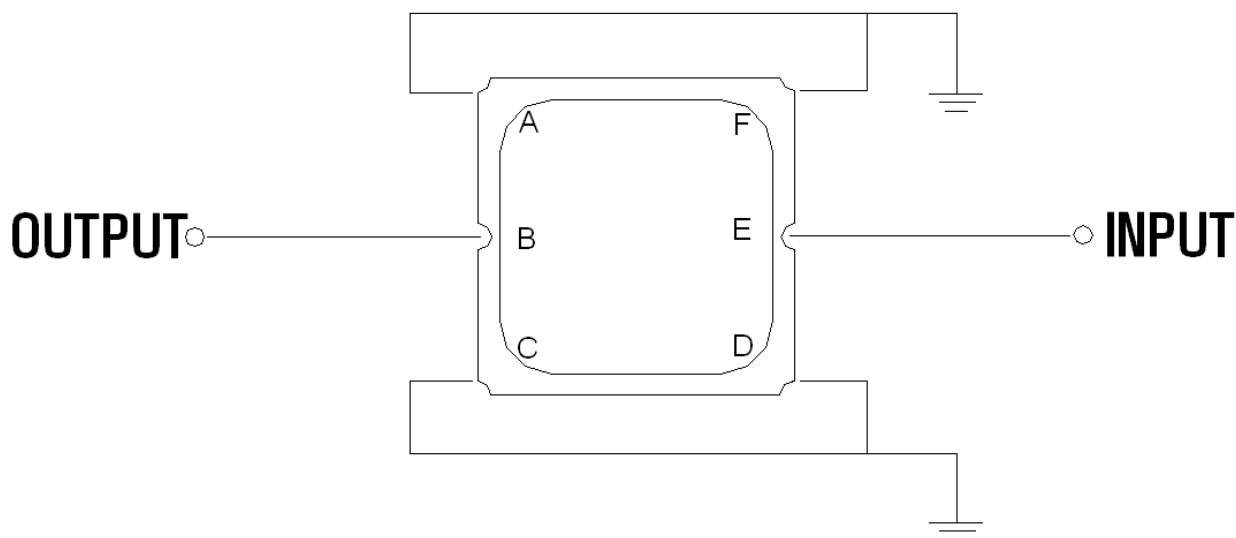
Package Dimensions



Marking Descriptions	
Z	Wireless Application
u	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

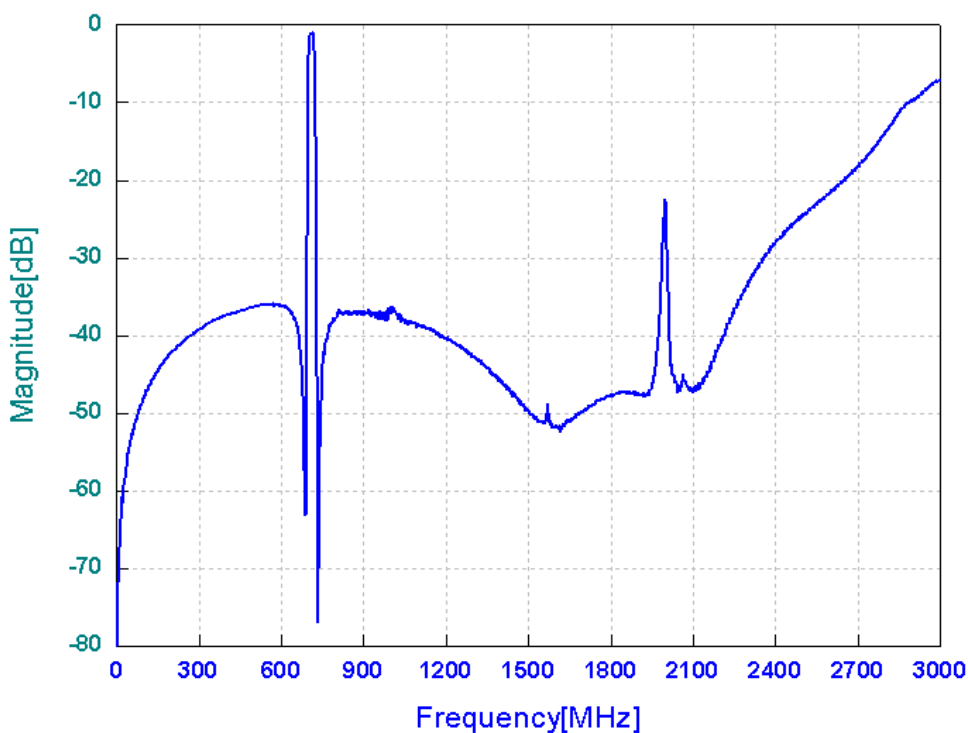
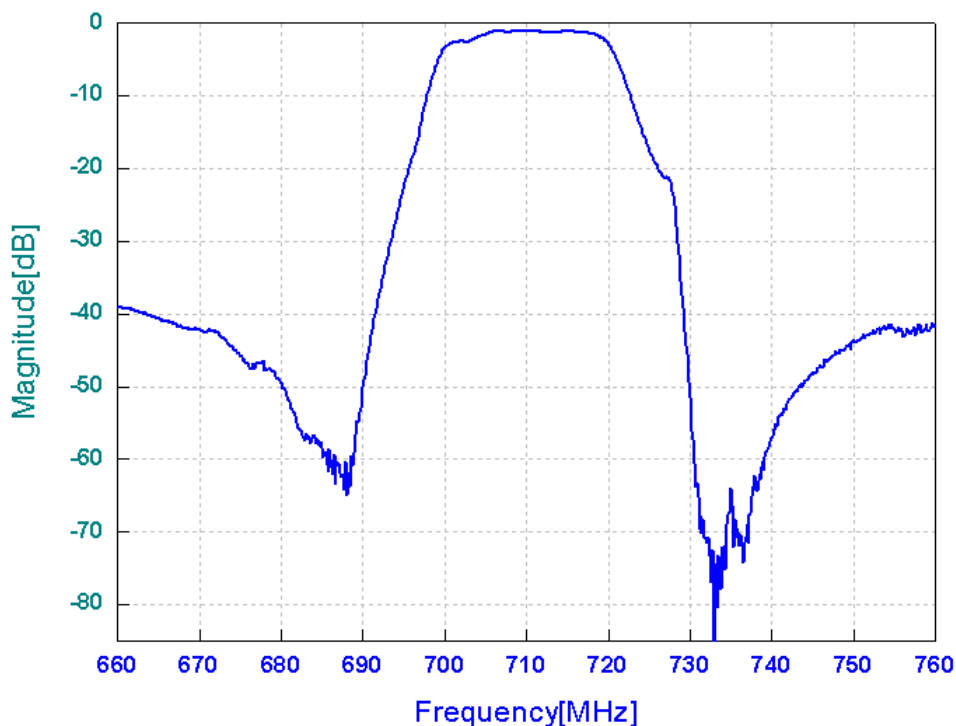
Testing Environment



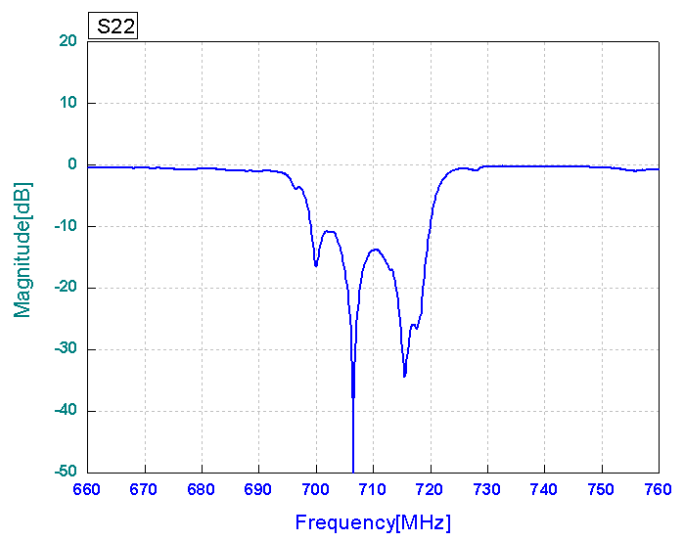
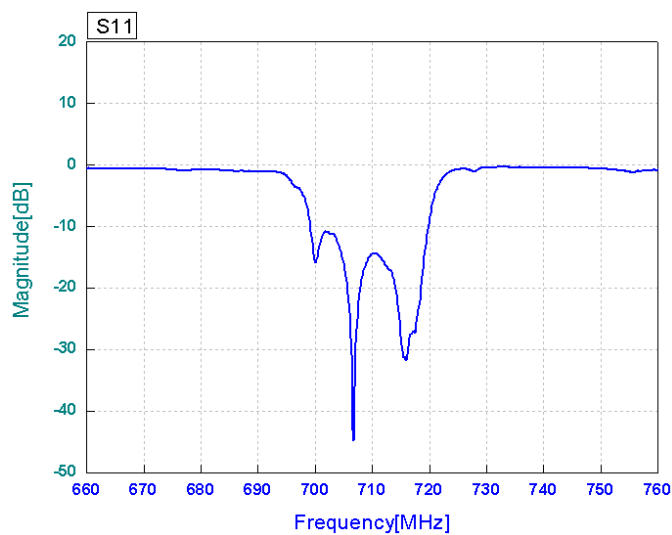
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



Return Loss



Smith Chart

