



Total Solution Provider in Saw Device

SA718AP

Wireless, RF SAW Filter
Revision 0: November 2003



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

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□ Electrical Characteristics

Maximum Ratings

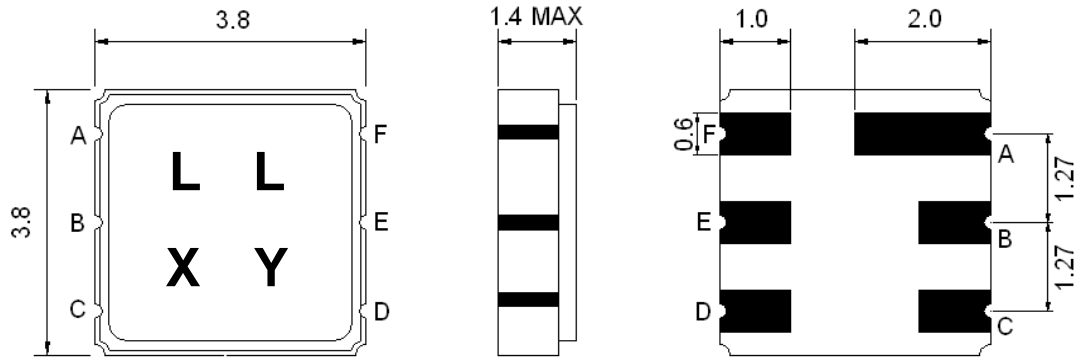
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	0	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	718.0	-
Insertion Loss within 714 ~ 722 MHz	dB	-	3.0	4.0
Amplitude Ripple within 714 ~ 722 MHz	dB _{p-p}	-	0.5	1.5
Attenuation:				
673 ~ 677 MHz	dB	45	50	-
695 ~ 698 MHz	dB	40	50	-
740 ~ 741 MHz	dB	20	28	-
759 ~ 764 MHz	dB	45	55	-
Return Loss 714 ~ 722 MHz	dB	10	15	-

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

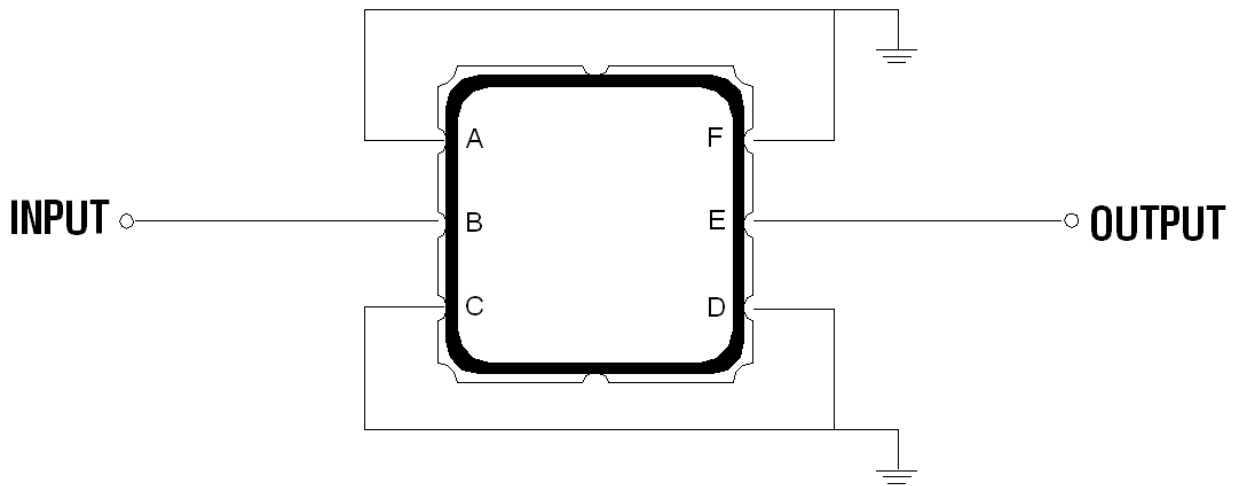
Package Dimensions



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

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

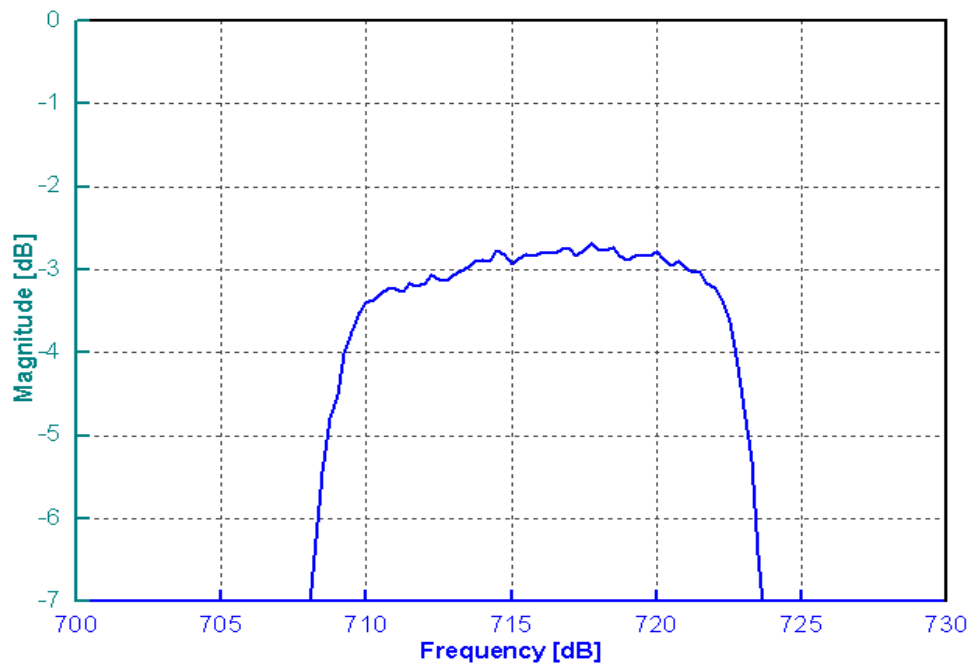
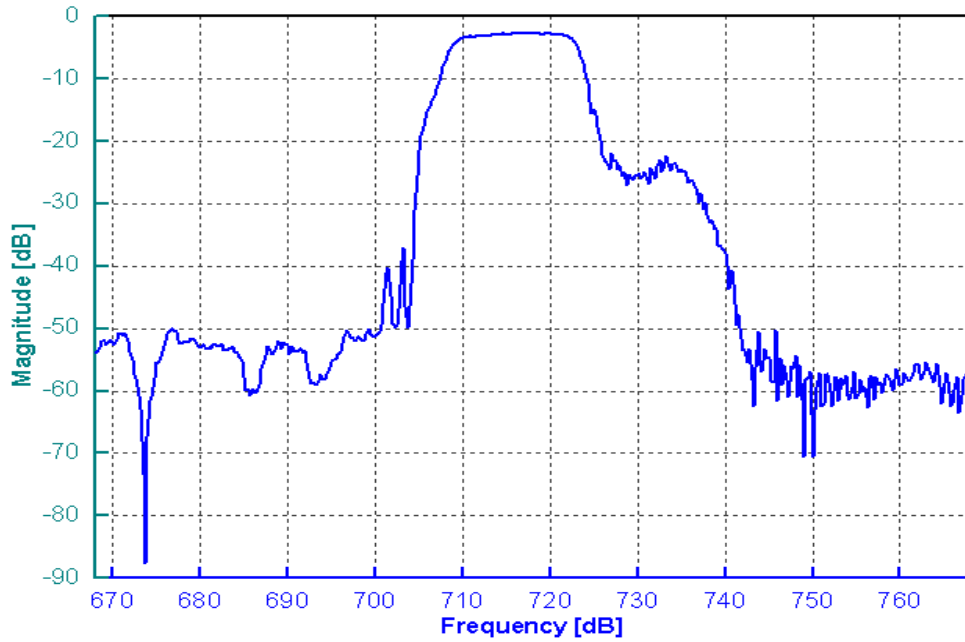
Testing Environment



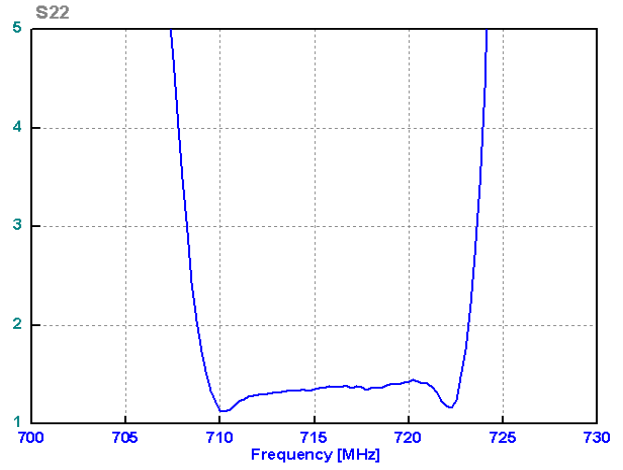
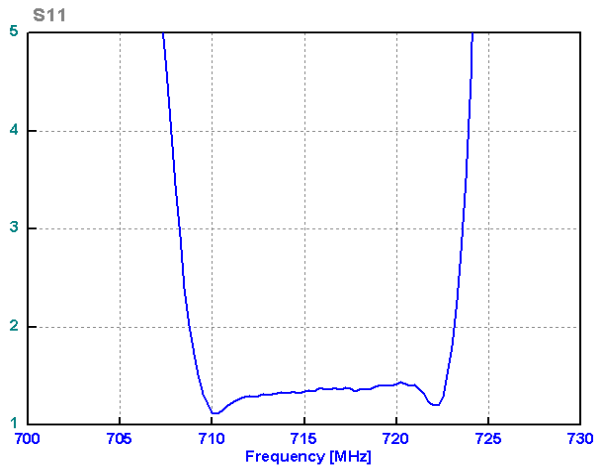
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

