SA746CP

Wireless, RF SAW Filter
Revision 0: June 2008

RoHS compliance
Pb free

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

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❒ Electrical Characteristics

Maximum Ratings

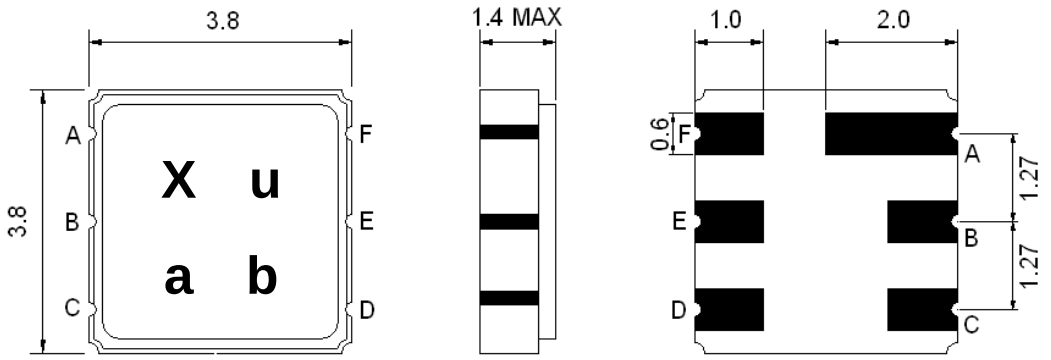
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-10	-	+60
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	P			
Length x Width	mm²	-	3.8 x 3.8	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	746.0	-
Insertion Loss in 740.0 ~ 752.0 MHz	dB	-	2.0	3.0
Amplitude Ripple in 740.0 ~ 752.0 MHz	dB	-	0.5	1.5
Group Delay Variation in 740.0 ~ 752.0 MHz	nsec	-	15	-
Absolute Group Delay at Fo	nsec	-	45	-
Attenuation:				
D.C~706.0 MHz	dB	45	55	-
806.0~2000.0 MHz	dB	25	37	-
2000.0~4000.0 MHz	dB	4	6	-
4000.0~5000.0 MHz	dB	1	2	-
VSWR in 740.0 ~ 752.0 MHz	-	-	1.5	2.5

Notes : (1) No Matching Network

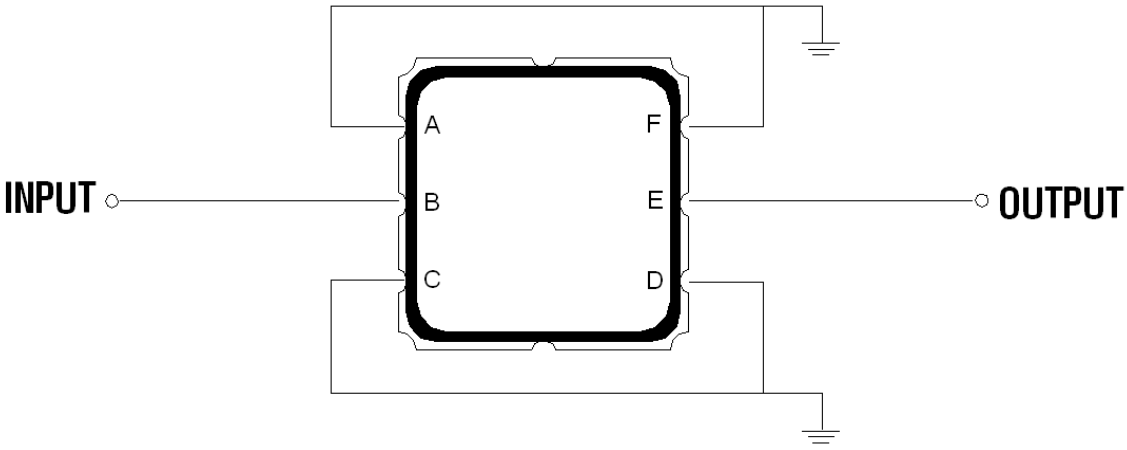
❒ Package Dimensions



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

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

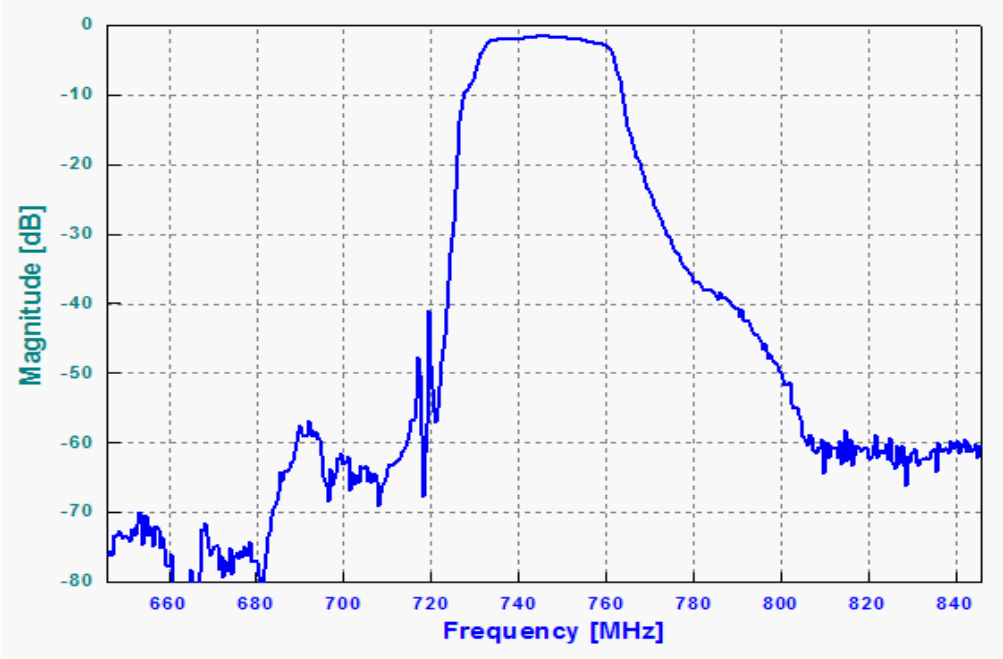
❒ Testing Environment

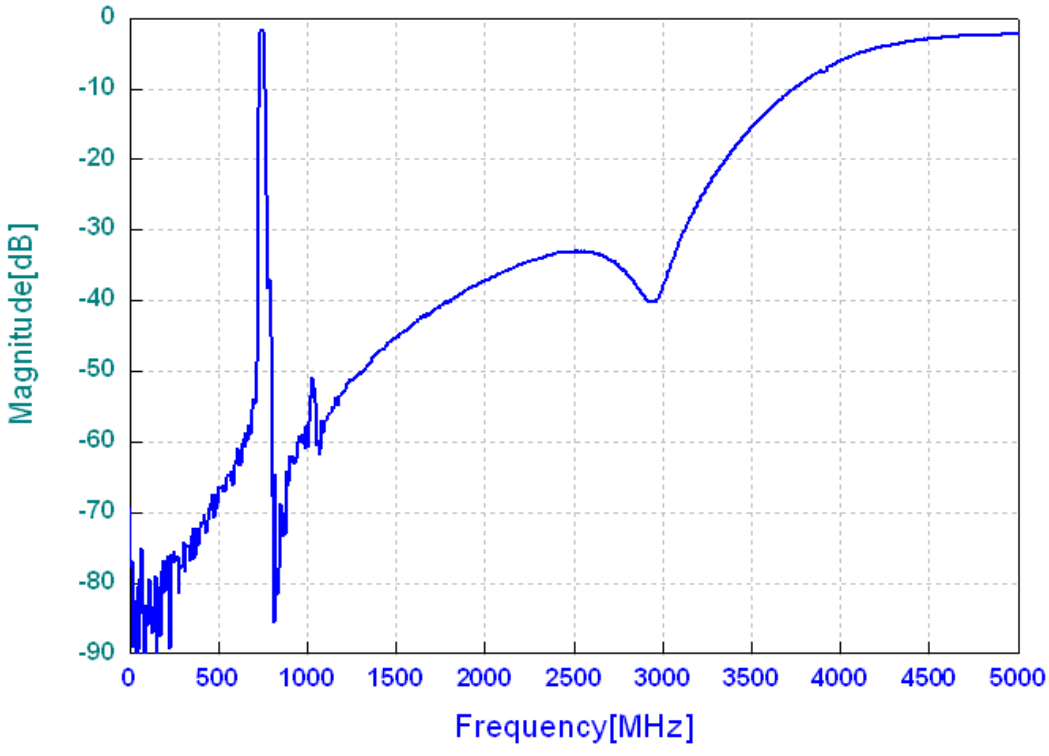


Source & Load Impedance: 50 Ω

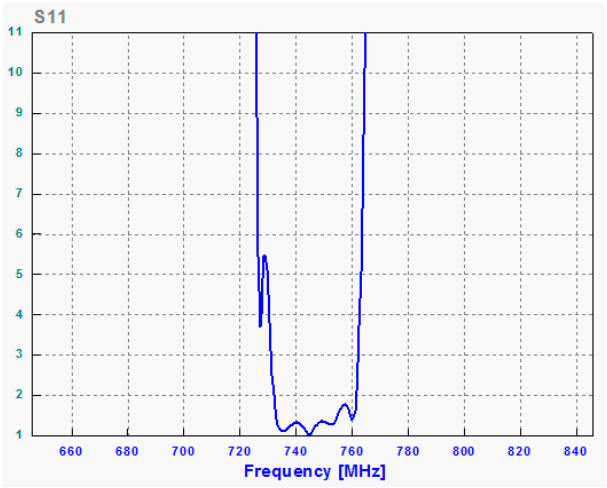
❒ Frequency Characteristics

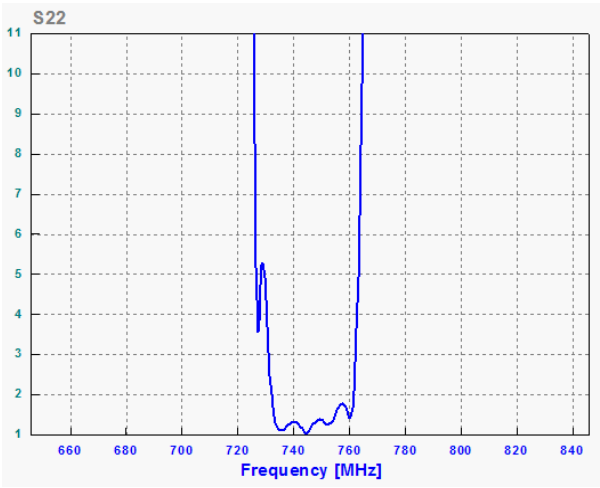
Frequency Response





VSWR





Smith Chart