SA448CP

Wireless, RF SAW Filter
Revision 0: October 2002

RoHS compliance
Pb free

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❒ Electrical Characteristics

Maximum Ratings

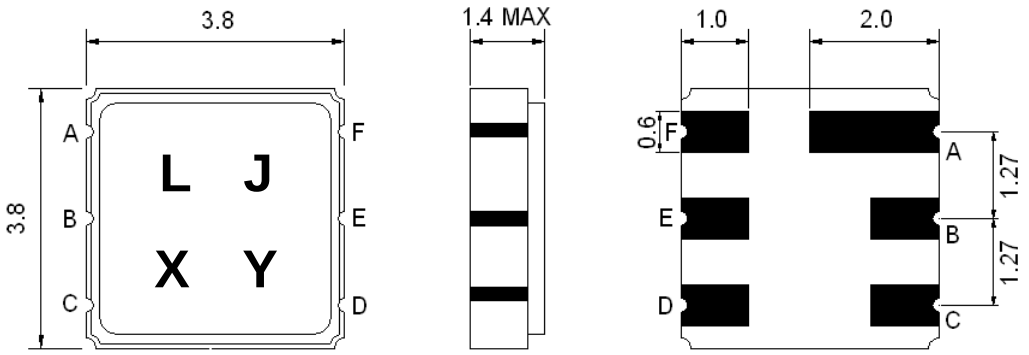
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+65
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended)(1)	Ω	-	150	-
Load Impedance (single ended)(1)	Ω	-	150	-
Package type & size	P			
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	-	448.0	-
Insertion Loss within 446 ~ 450 MHz	dB	-	1.6	3.5
Amplitude Ripple within 446 ~ 450 MHz	dB_{p-p}	-	0.6	2.0
Attenuation:				
Fo-200 ~ Fo-42.8 MHz	dB	50	55	-
Fo+40 ~ Fo+200 MHz	dB	50	55	-

Notes : (1)) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

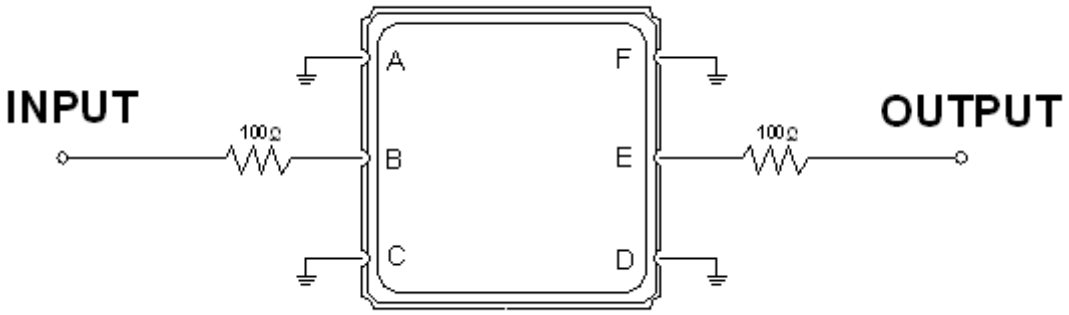
❒ Package Dimensions



Marking Descriptions	
L	Wireless Application
J	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