

- 183.6 MHz IF SAW Filter
- Revision 1: October 2012

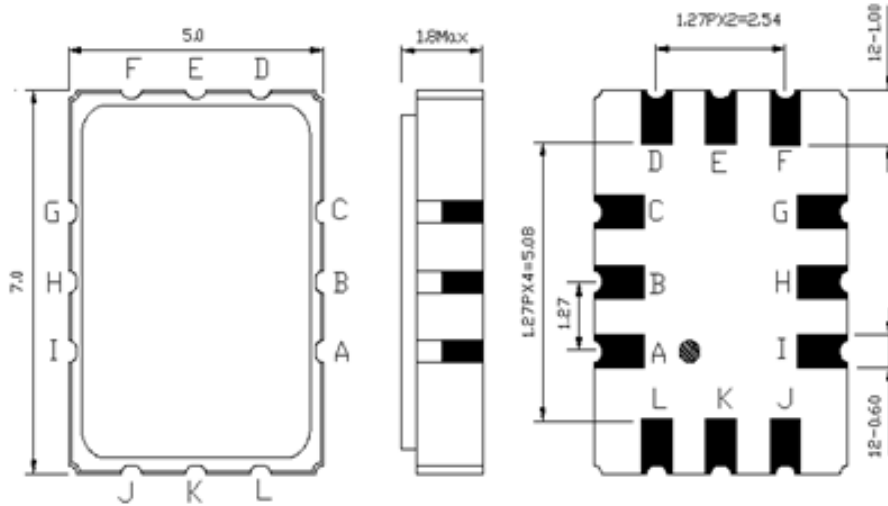
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	-30	-	80
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	S			
Length x Width	mm ²	-	7.0 x 5.0	-
Height	mm	-	-	1.7

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	183.6	-
Insertion Loss at Fo	dB	-	7.3	10.0
Passband Ripple at Fo±300 KHz	dB	-	0.35	1.2
Attenuation at :				
Fo+615 KHz	dB	-	6.3	7.0
Fo-615 KHz	dB	-	4.3	5.0
Fo+900 KHz	dB	33	38	-
Fo-900 KHz	dB	33	36.6	-
Fo+1.25 MHz	dB	35	45	-
Fo-1.25 MHz	dB	35	39	-
Fo+1.7 MHz	dB	33	45	-
Fo-1.7 MHz	dB	33	37	-
Fo+2.05 MHz	dB	35	45	-
Fo-2.05 MHz	dB	35	41	-
Substrate Material			Quartz	

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.

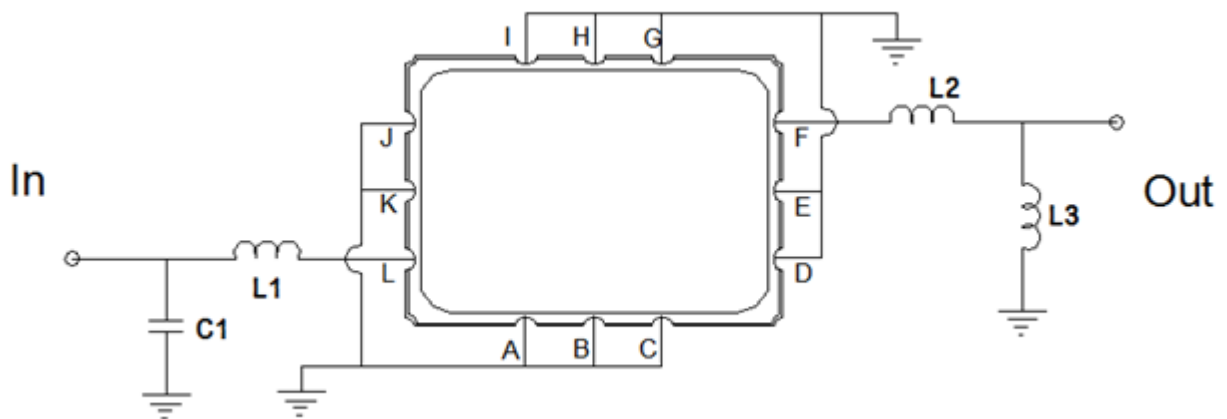
Package Dimensions



Pin Description

Pin Description	
A, B, C, D, E, G, H, I, J, K	Ground
L	Input
F	Output

Testing Environment



Test Fixture & Values

Input	L1=100 nH, C1=30pF
Output	L2=47 nH, L3=18nH
Source/Load Impedance	50 Ω

Frequency Characteristics

Frequency Response

