

- 96.0 MHz IF SAW Filter / 36.0 MHz Bandwidth
- Revision 1: 29 Oct. 2007

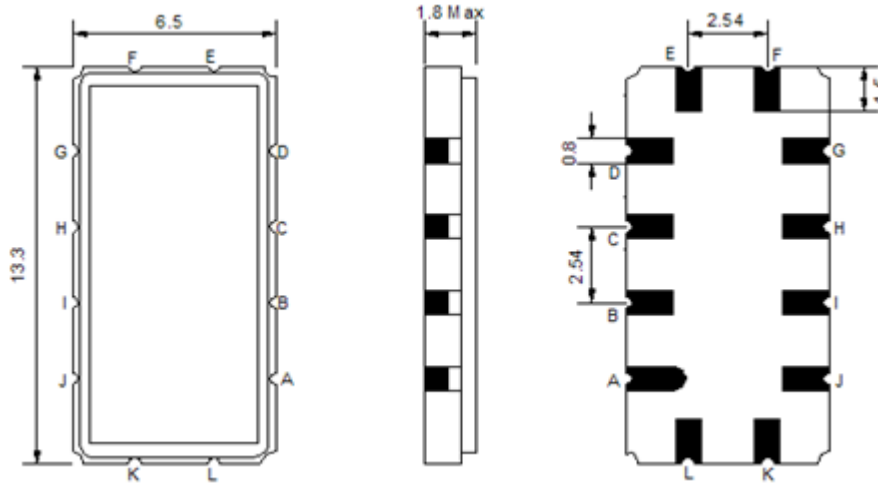
Electrical Characteristics

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	V			
Length x Width	mm ²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	96.0	-
Insertion Loss at Fo	dB	-	16.8	18.5
Temperature Coefficient	ppm/°C	-	-86	-
Amplitude Ripple Variation	dB _{p-p}	-	1.2	2.0
Amplitude Ripple within fo ±2.5 MHz	dB _{p-p}	-	0.4	0.7
Group Delay Variation	nsec	-	65	120
Group Delay Variation within fo ±2.5 MHz	nsec	-	38	70
Absolute Delay at Fo	μsec	-	0.942	-
Bandwidth at -1.0 dB	MHz	35.0	36.0	-
Bandwidth at -3.0 dB	MHz	36.0	36.8	-
Bandwidth at -30.0 dB	MHz	-	40.0	41.0
Relative Attenuation:	dB	40	47	-
Ambient Temperature	°C	-	25	-

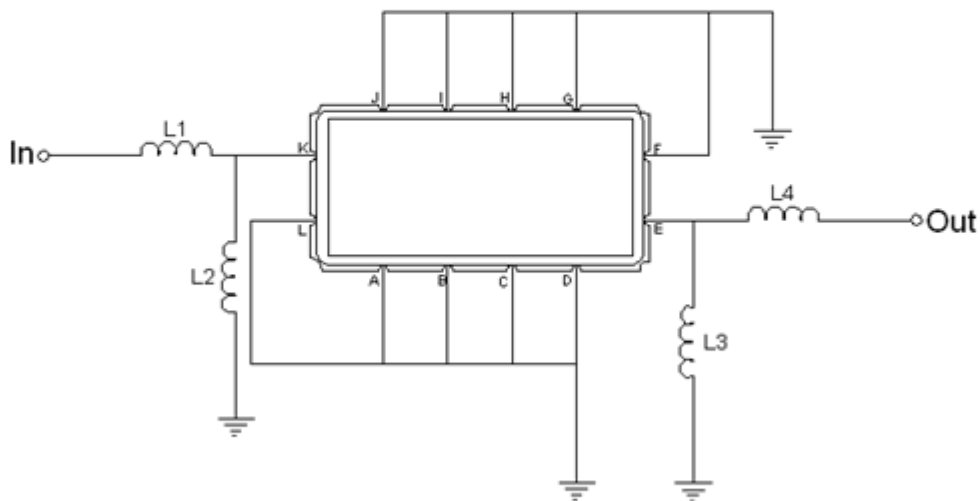
Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

Package Dimensions



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

Testing Environment



Test Fixture & Values	
Input	L1=68nH , L2=56nH
Output	L3=56nH , L4=68nH
Source/Load Impedance	50 Ω

Frequency Characteristics

Frequency Response

