

- 95.0 MHz IF SAW Filter / 14.2 MHz Bandwidth
- Revision 1: 29 Oct. 2007

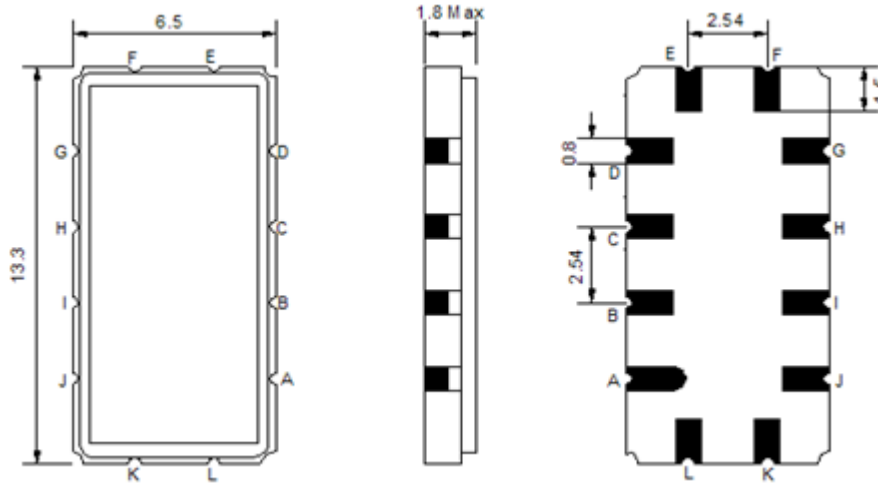
Electrical Characteristics

| 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 | - | 95.0 | - |
| Insertion Loss at Fo | dB | - | 12.5 | 15.0 |
| Temperature Coefficient | ppm/°C | - | -86 | - |
| Amplitude Ripple Variation | dBp-p | - | 0.50 | 1.0 |
| Group Delay Variation | nsec | - | 50 | 120 |
| Absolute Delay at Fo | μsec | - | 1.15 | - |
| Bandwidth at -1.0 dB | MHz | - | 14.0 | - |
| Bandwidth at -3.0 dB | MHz | 14.2 | 14.5 | - |
| Bandwidth at -5.0 dB | MHz | - | 14.9 | 15.2 |
| Bandwidth at -30.0 dB | MHz | - | 16.9 | 17.5 |
| Bandwidth at -40.0 dB | MHz | - | 17.2 | 18.5 |
| Relative Attenuation | dB | 40 | 48 | - |
| Ambient Temperature | °C | - | 25 | - |

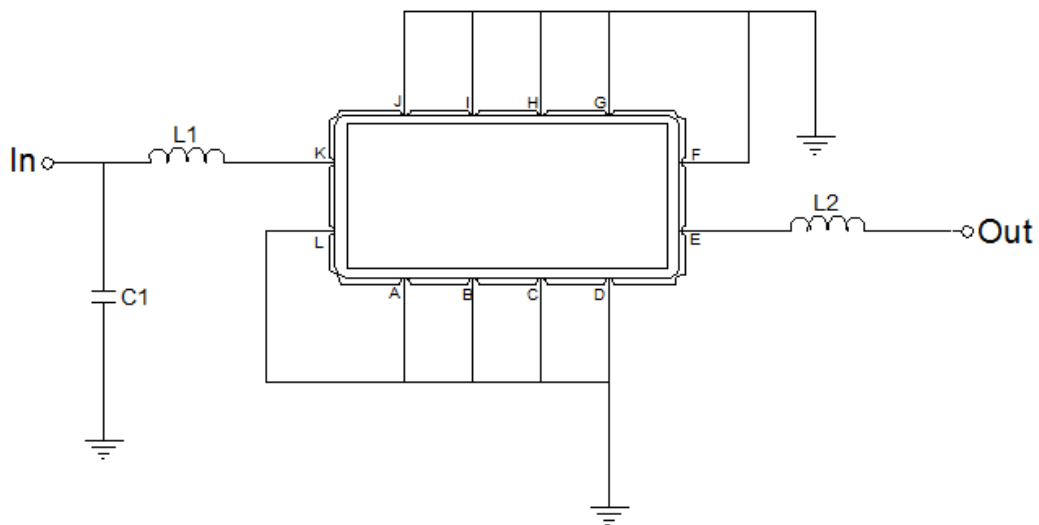
Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

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=120nH , C1=51pF |
| Output | L2=33nH |
| Source/Load Impedance | 50 Ω |

Frequency Characteristics

Frequency Response

