

- Wireless, Balanced RF SAW Filter
- Revision 0: June 2008

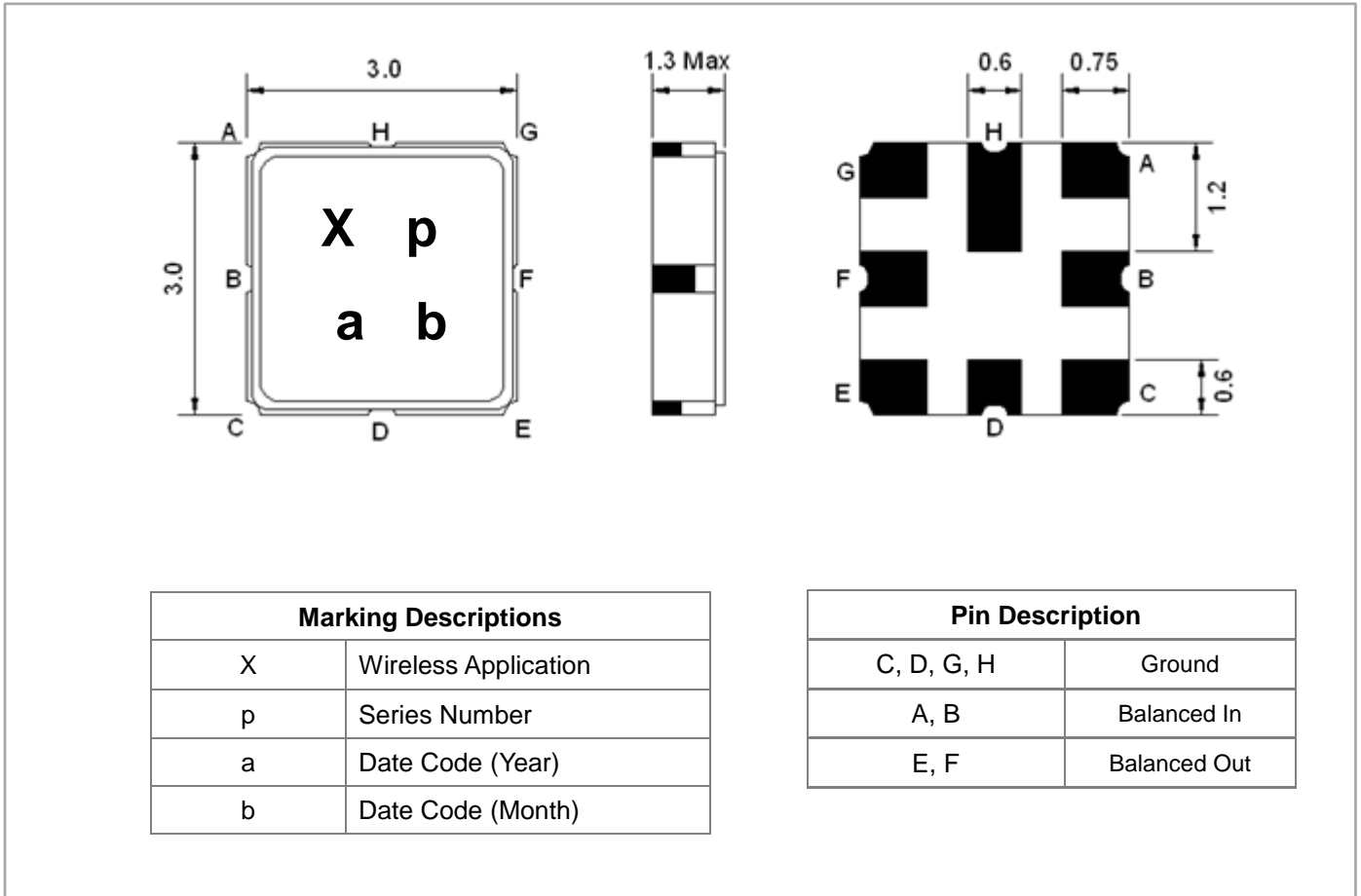
## Electrical Characteristics

| MAXIMUM RATING                                   |                 |         |           |         |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION                           | UNIT            | MINIMUM | TYPICAL   | MAXIMUM |
| Operating Temperature Range                      | °C              | 0       | -         | +70     |
| Storage Temperature Range                        | °C              | -40     | -         | +85     |
| Maximum DC Voltage                               | V               | -       | -         | 3       |
| Maximum Input Power                              | dBm             | -       | -         | 15      |
| Source Impedance (balanced ended) <sup>(1)</sup> | Ω               | -       | 190       | -       |
| Load Impedance (balanced ended) <sup>(1)</sup>   | Ω               | -       | 190       | -       |
| Package type & size                              | M1              |         |           |         |
| Length x Width                                   | mm <sup>2</sup> | -       | 3.0 x 3.0 | -       |
| Height   | mm              | -       | -         | 1.3     |

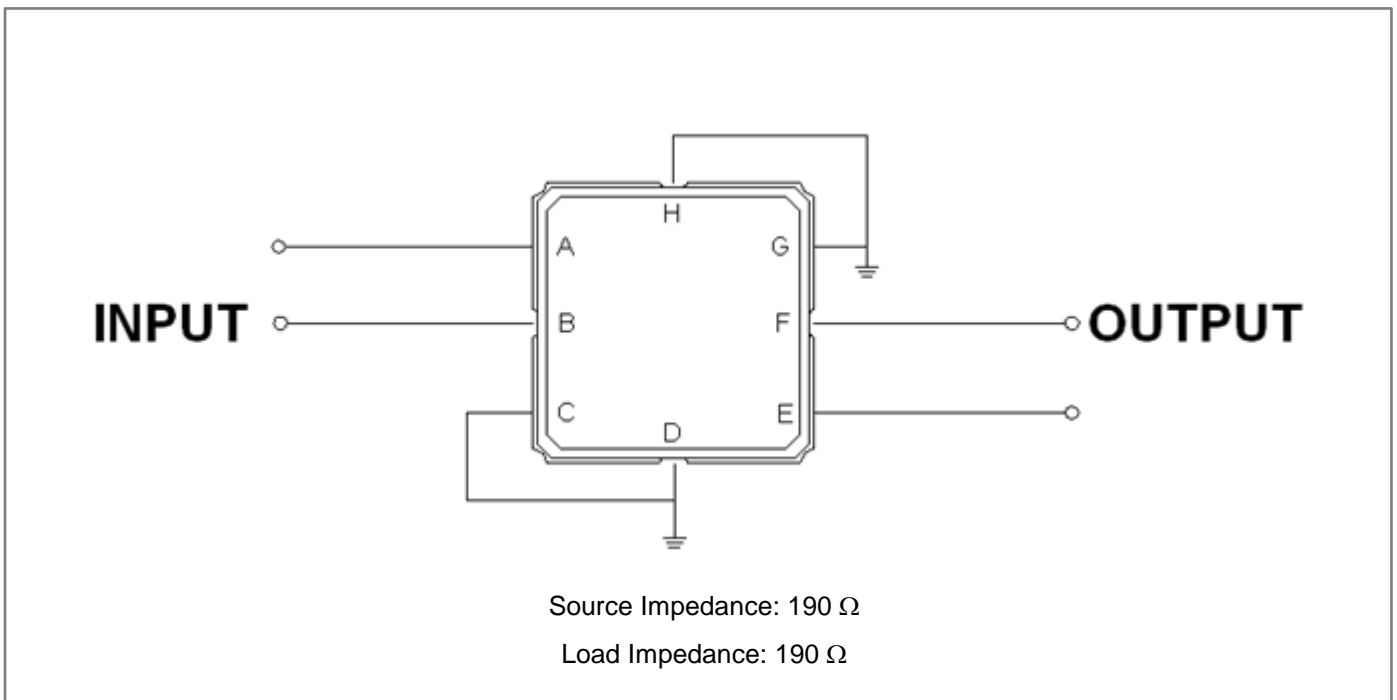
| ELECTRICAL SPECIFICATION                      |                   |         |         |         |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION                        | UNIT              | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo)                         | MHz               | -       | 1690.0  | -       |
| Insertion Loss within 1681.2 ~ 1698.8 MHz     | dB                | -       | 3.0     | 3.5     |
| Amplitude Ripple within 1681.2 ~ 1698.8 MHz   | dB <sub>p-p</sub> | -       | 0.8     | 1.5     |
| Group Delay Ripple within 1681.2 ~ 1698.8 MHz | ns <sub>p-p</sub> | -       | 15      | 20      |
| 3dB Bandwidth                                 | MHz               | -       | 34      | 40      |
| 10dB Bandwidth                                | MHz               | -       | 42      | 50      |
| <b>Attenuation:</b>                           |                   |         |         |         |
| 1577.0 ~ 1626.0 MHz                           | dB                | 47      | 52      | -       |

**Notes:** (1) No Matching Network

## Package Dimensions



## Testing Environment



## Frequency Characteristics

