

- Wireless, RF SAW Filter
- Revision 0: June 2012

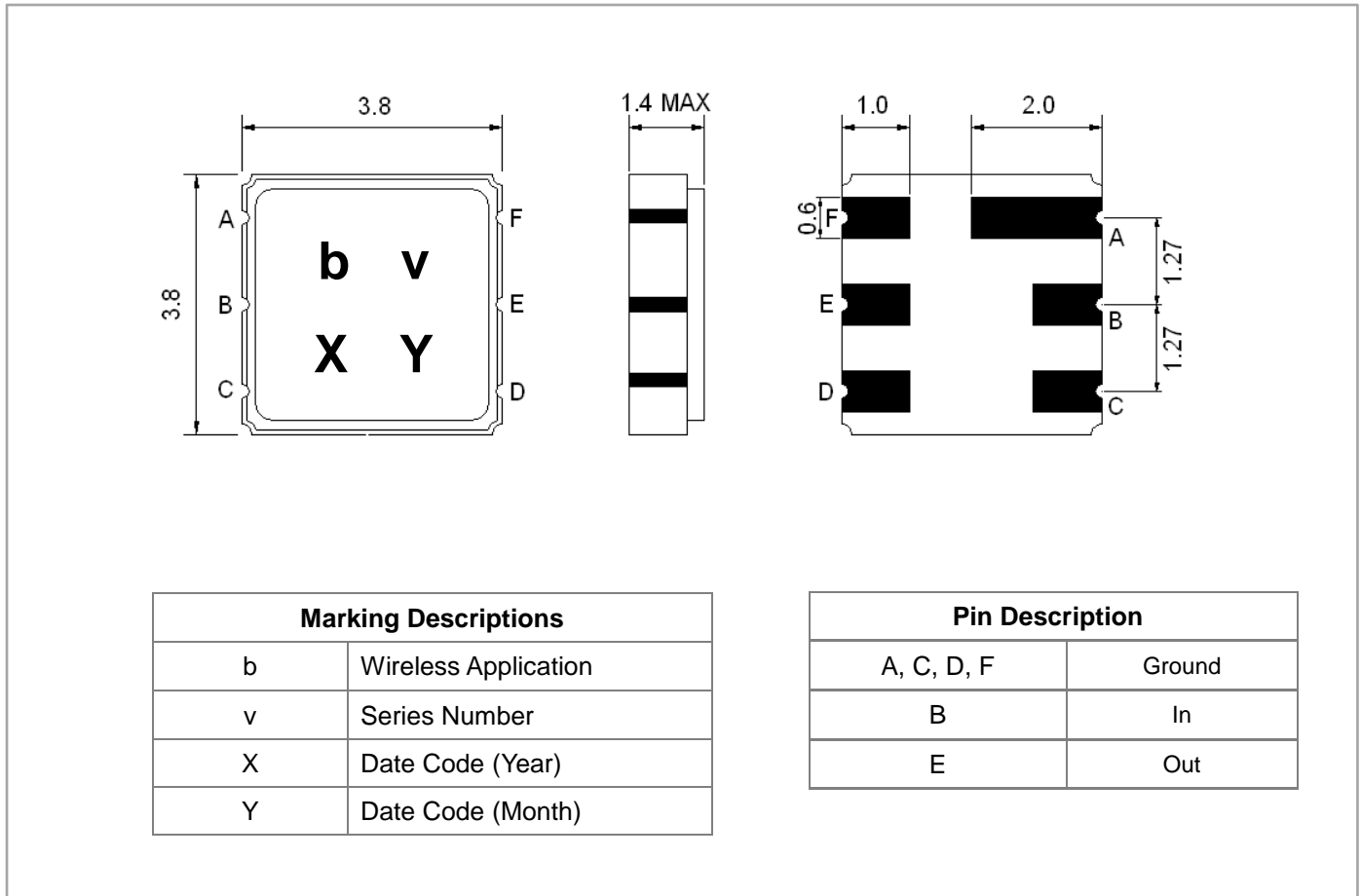
## Electrical Characteristics

| MAXIMUM RATING                                 |                 |         |           |         |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION                         | UNIT            | MINIMUM | TYPICAL   | MAXIMUM |
| Operating Temperature Range                    | °C              | -40     | -         | +85     |
| Storage Temperature Range                      | °C              | -40     | -         | +85     |
| Maximum DC Voltage                             | V               | -       | -         | 0       |
| Maximum Input Power                            | dBm             | -       | -         | 10      |
| Source Impedance (single ended) <sup>(1)</sup> | Ω               | -       | 50        | -       |
| Load Impedance (single ended) <sup>(1)</sup>   | Ω               | -       | 50        | -       |
| Package type & size                            | P               |         |           |         |
| Length x Width                                 | mm <sup>2</sup> | -       | 3.8 x 3.8 | -       |
| Height   | mm              | -       | -         | 1.4     |

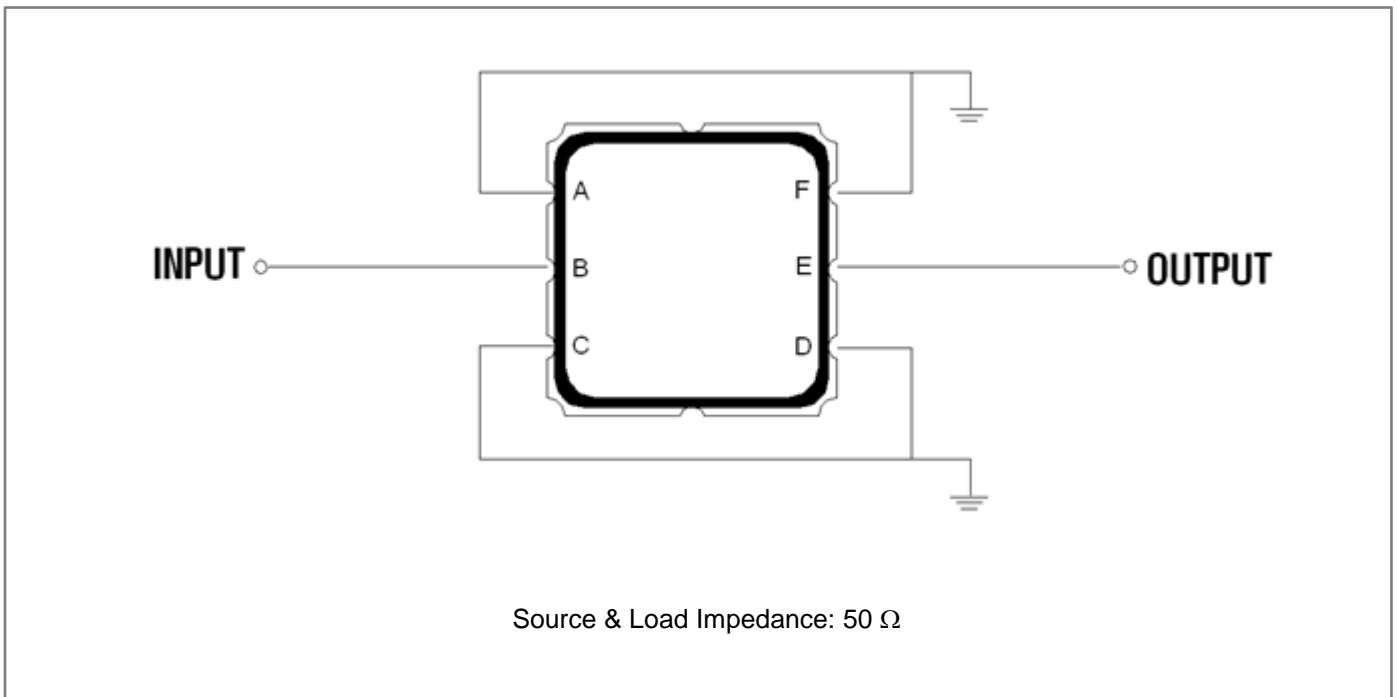
| ELECTRICAL SPECIFICATION                  |                   |         |         |         |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION                    | UNIT              | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo)                     | MHz               | -       | 2277.0  | -       |
| Insertion Loss within 2262.0 ~ 2292.0 MHz | dB                | -       | 1.8     | 3.5     |
| Amplitude Ripple within 2262.0~2292.0 MHz | dB <sub>p-p</sub> | -       | 0.6     | 1.2     |
| 1dB Bandwidth                             | MHz               | 35      | 58      | -       |
| 40dB Bandwidth                            | MHz               | -       | 151     | 160     |
| <b>Attenuation:</b>                       |                   |         |         |         |
| 200.0 ~ 2077.0 (Fo-200.0) MHz             | dB                | 35      | 39      | -       |
| 2477.0 (Fo+200.0) ~ 3000.0 MHz            | dB                | 35      | 39      | -       |
| 2082.0 ~ 2112.0 MHz                       | dB                | 40      | 44      | -       |
| VSWR within 2262.0 ~ 2292.0 MHz           | -                 | -       | 2.0     | 2.3     |

**Notes:** (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

## Package Dimensions

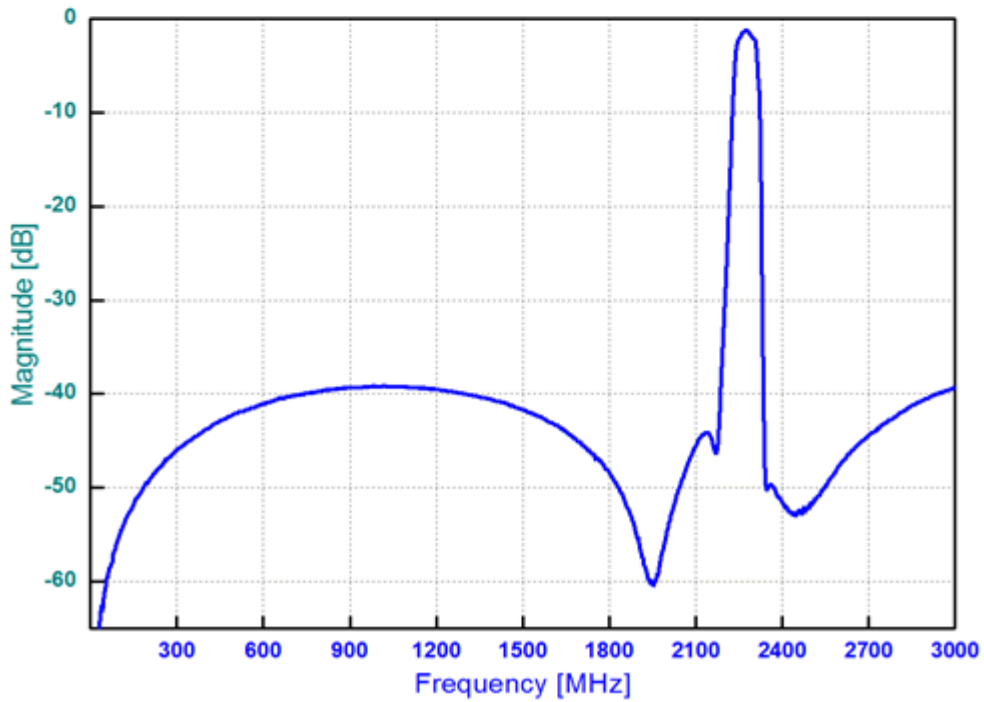
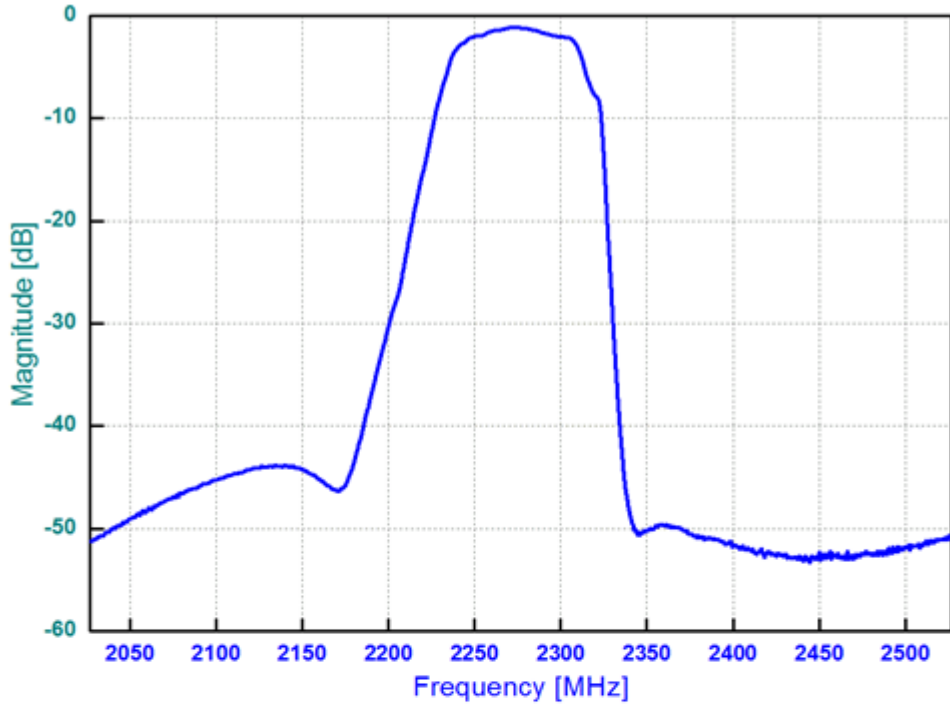


## Testing Environment

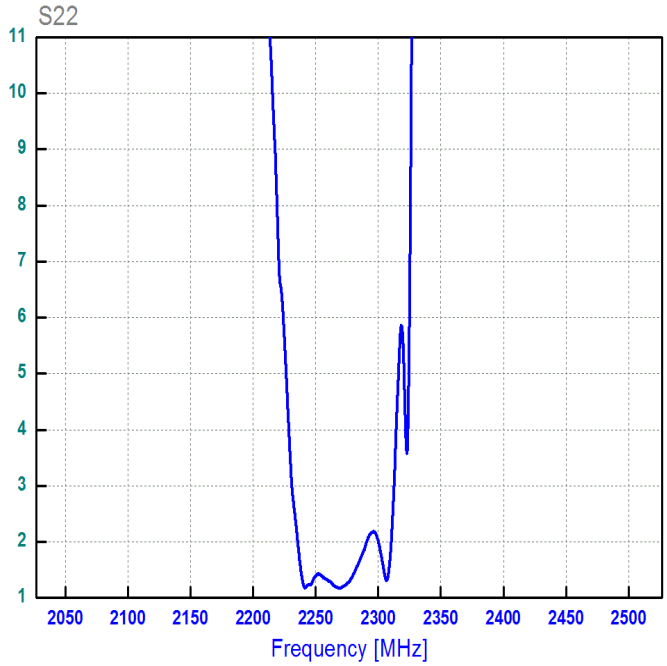
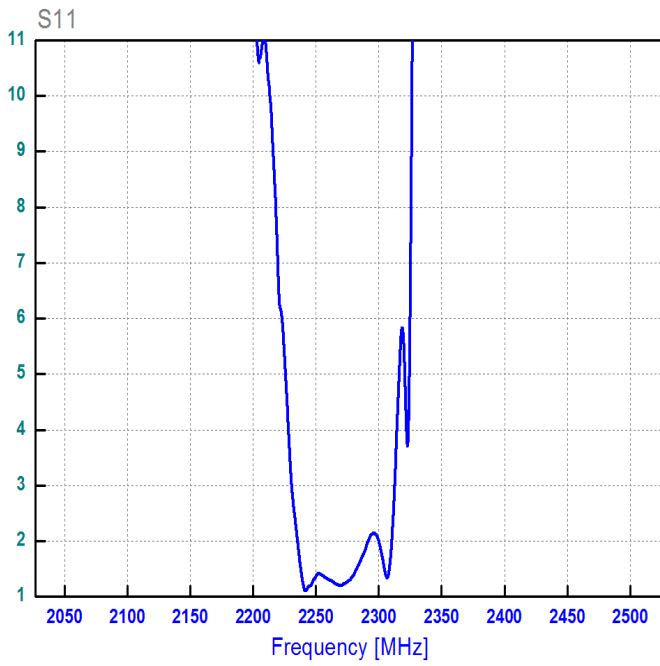


## Frequency Characteristics

**Frequency Response**



## VSWR



## Smith Chart

