

- Wireless, RF SAW Filter
- Revision 0: October 2010

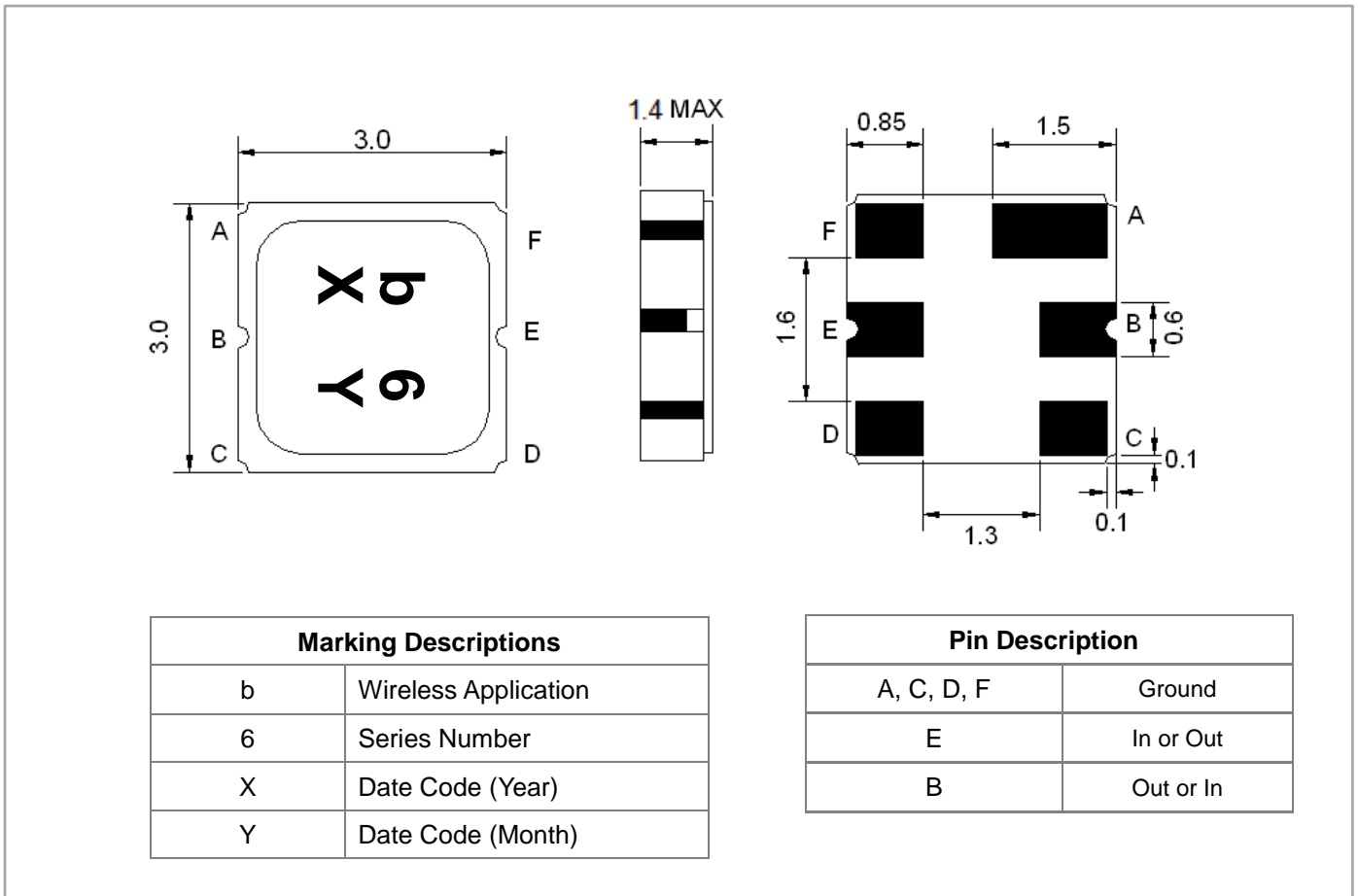
## Electrical Characteristics

| 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             | -       | -         | 15      |
| Source Impedance (single ended) <sup>(1)</sup> | Ω               | -       | 50        | -       |
| Load Impedance (single ended) <sup>(1)</sup>   | Ω               | -       | 50        | -       |
| Package type & size                            | M               |         |           |         |
| Length x Width                                 | mm <sup>2</sup> | -       | 3.0 x 3.0 | -       |
| Height   | mm              | -       | -         | 1.3     |

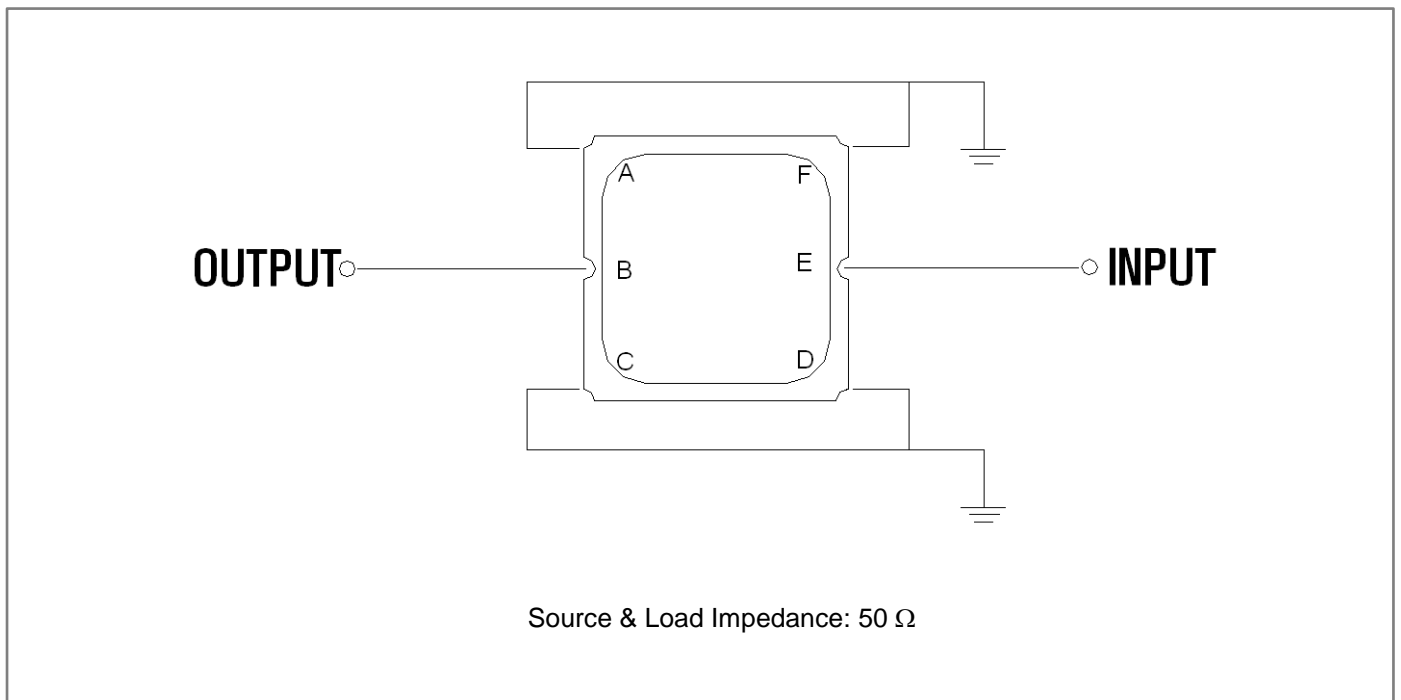
| ELECTRICAL SPECIFICATION                  |                   |         |         |         |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION                    | UNIT              | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo)                     | MHz               | -       | 869     | -       |
| Insertion Loss within 868.0 ~ 870.0 MHz   | dB                | -       | 2.0     | 3.0     |
| Amplitude Ripple within 868.0 ~ 870.0 MHz | dB <sub>p-p</sub> | -       | 0.2     | 1.0     |
| Return Loss within 868.0 ~ 870.0 MHz      | dB                | 10      | 19      | -       |
| <b>Attenuation:</b>                       |                   |         |         |         |
| 10.0 ~ 300.0 MHz                          | dB                | 50      | 70      | -       |
| 300.0 ~ 845.0 MHz                         | dB                | 45      | 50      | -       |
| 845.0 ~ 853.0 MHz                         | dB                | 35      | 44      | -       |
| 879.0 ~ 883.0 MHz                         | dB                | 2       | 15      | -       |
| 883.0 ~ 915.0 MHz                         | dB                | 30      | 37      | -       |
| 915.0 ~ 945.0 MHz                         | dB                | 45      | 55      | -       |
| 945.0 ~ 1200.0 MHz                        | dB                | 45      | 53      | -       |
| 1200.0 ~ 2000.0 MHz                       | dB                | 35      | 42      | -       |

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

## Package Dimensions

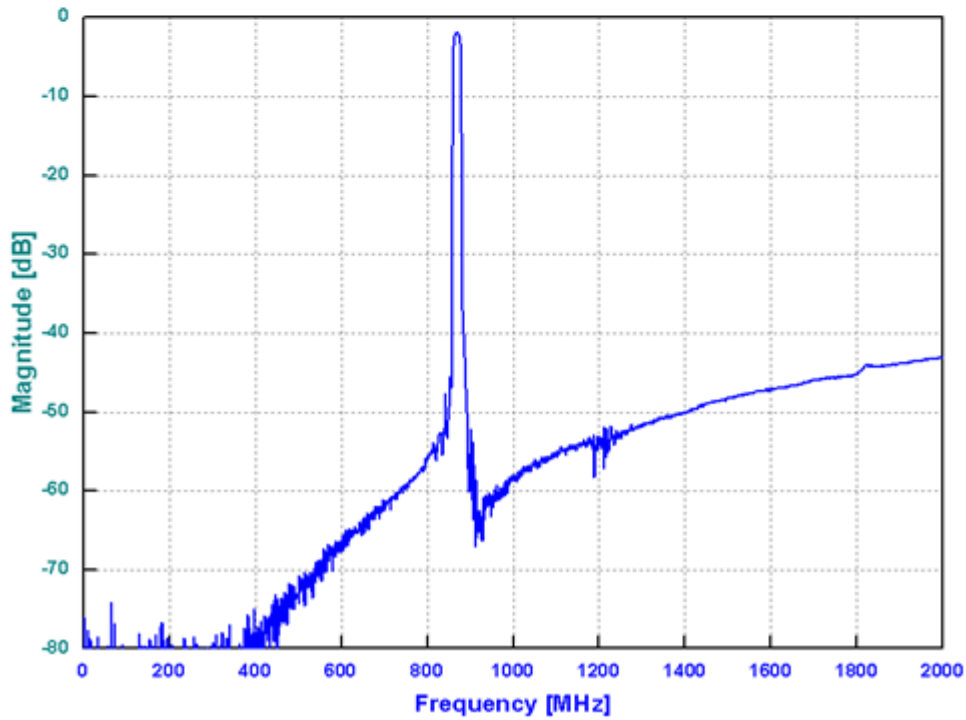
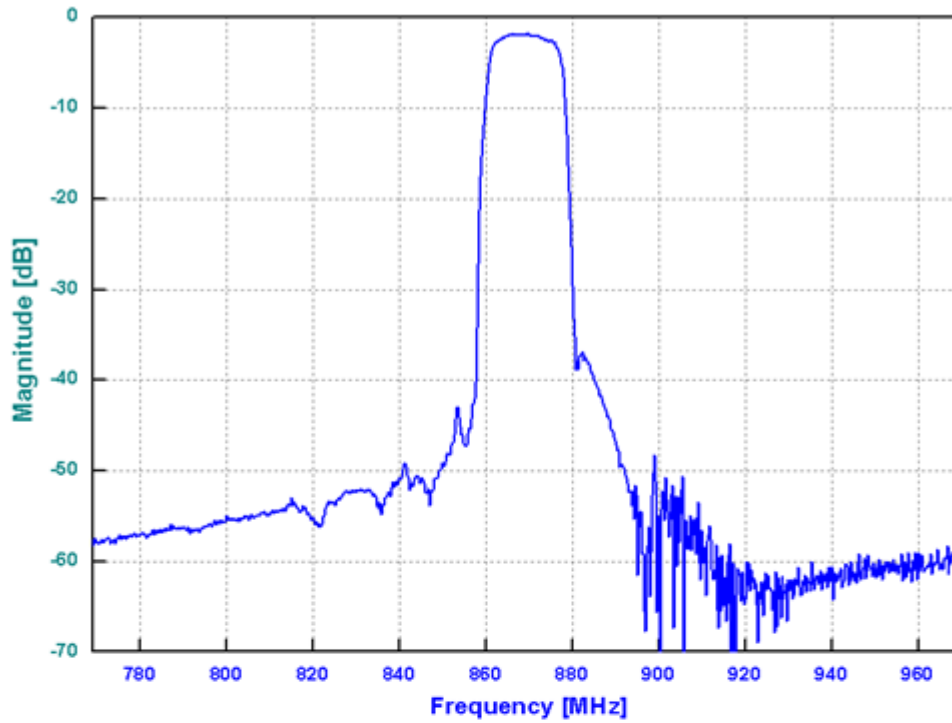


## Testing Environment

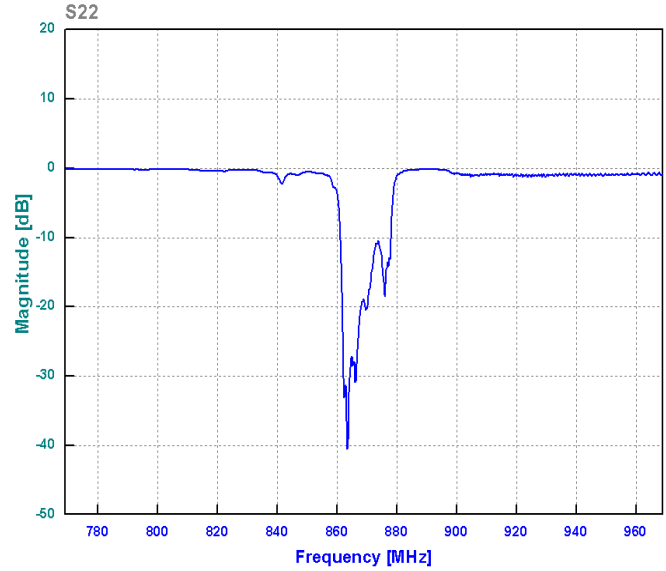
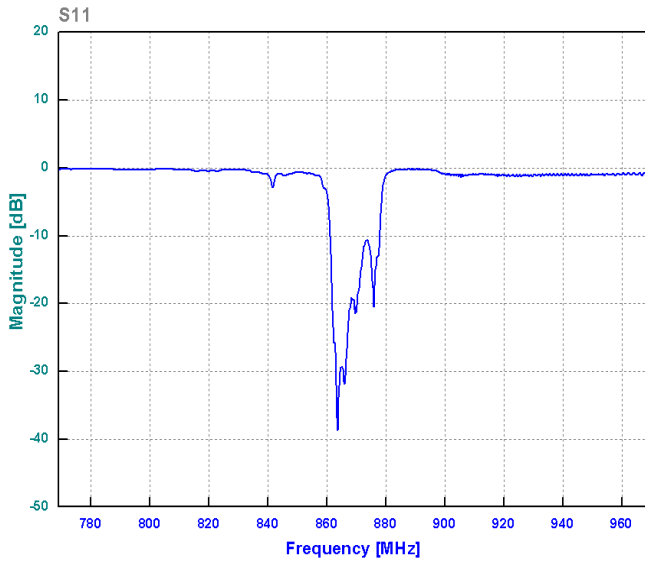


## Frequency Characteristics

Frequency Response



## Return Loss



## Smith Chart

