

- Wireless, RF SAW Filter
- Revision 1: July 2009

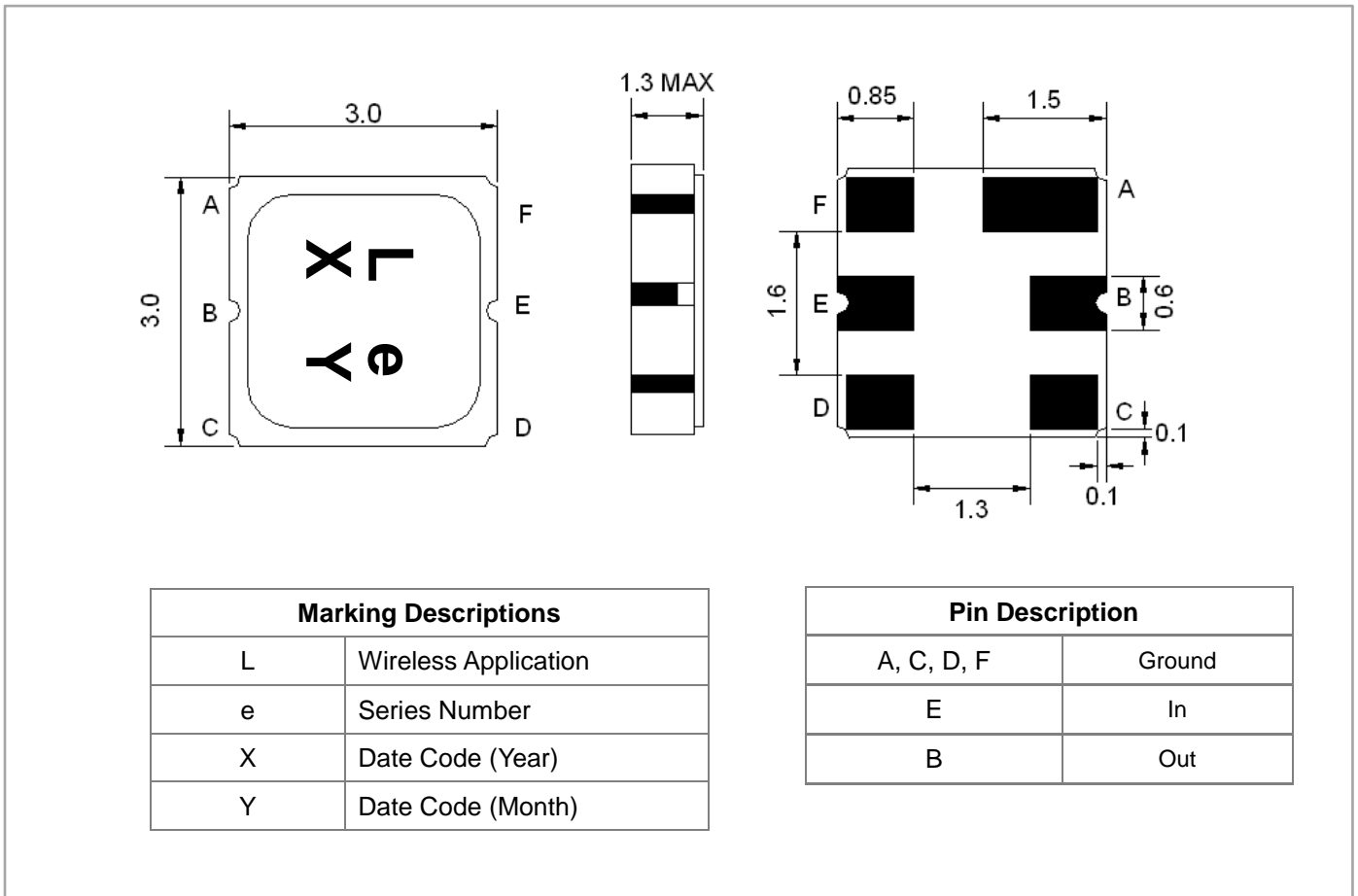
## Electrical Characteristics

| MAXIMUM RATING                                 |                 |         |           |         |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION                         | UNIT            | MINIMUM | TYPICAL   | MAXIMUM |
| Operating Temperature Range                    | °C              | -30     | -         | +65     |
| 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                            | M               |         |           |         |
| Length x Width                                 | mm <sup>2</sup> | -       | 3.0 x 3.0 | -       |
| Height   | mm              | -       | -         | 1.3     |

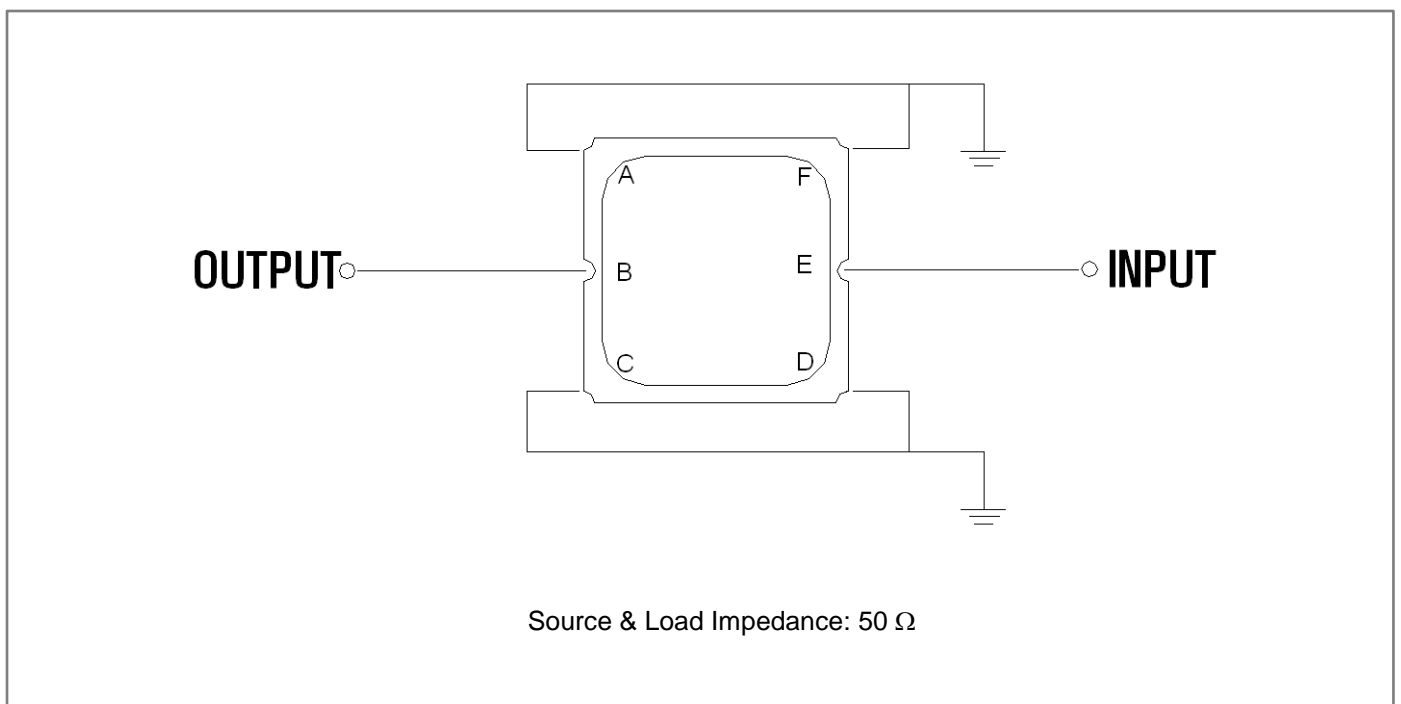
| ELECTRICAL SPECIFICATION                  |                   |         |         |         |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION                    | UNIT              | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo)                     | MHz               | -       | 957.25  | -       |
| Insertion Loss                            |                   |         |         |         |
| 953.0 ~ 964.0 MHz                         | dB                | -       | 2.8     | 3.3     |
| 942.25 ~ 972.25 MHz                       | dB                | -       | 4.5     | 5.5     |
| Amplitude Ripple within 953.0 ~ 964.0 MHz | dB <sub>p-p</sub> | -       | 0.5     | 1.0     |
| Attenuation:                              |                   |         |         |         |
| D.C ~ Fo-45.0 MHz                         | dB                | 45      | 55      | -       |
| Fo+70.0 ~ Fo+500.0 MHz                    | dB                | 50      | 60      | -       |
| VSWR within 953.0 ~ 964.0 MHz             | -                 | -       | 1.5     | 2.0     |

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

## Package Dimensions

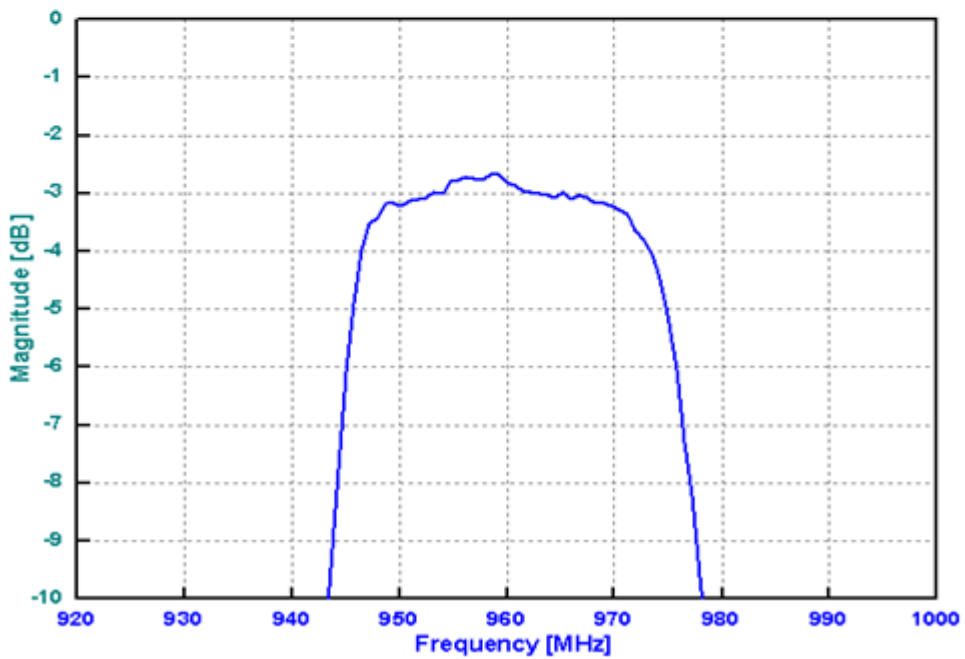
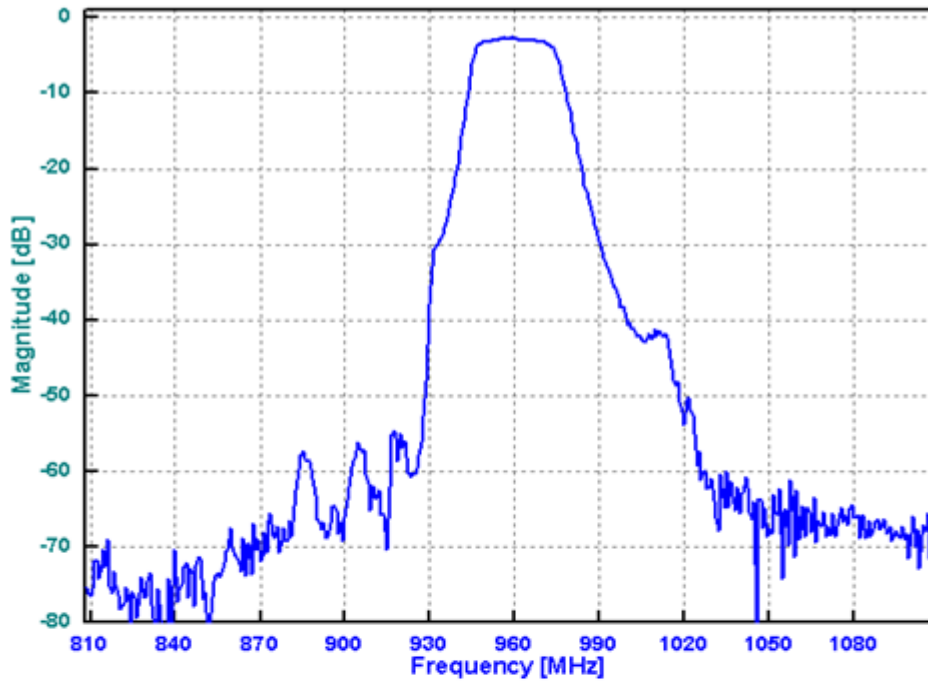


## Testing Environment

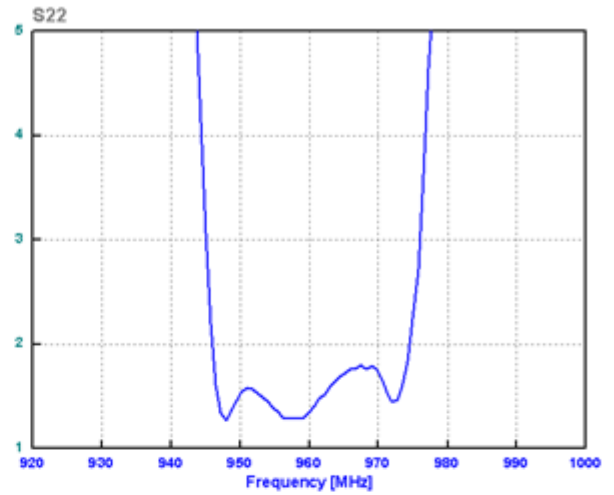
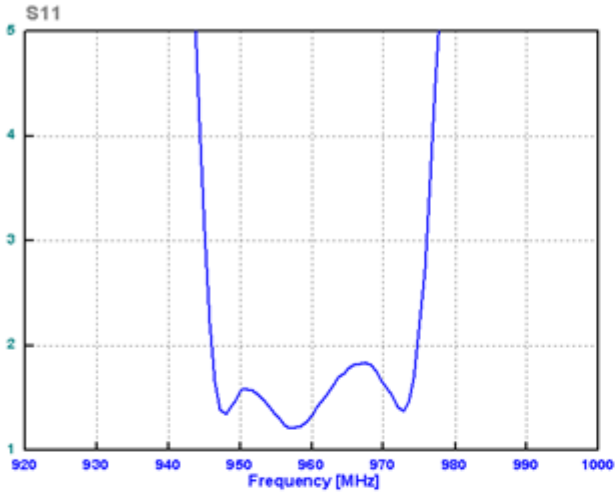


## Frequency Characteristics

Frequency Response



## VSWR



## Smith Chart

