

- RF Band Pass SAW Filter
- Revision 0: December 2006

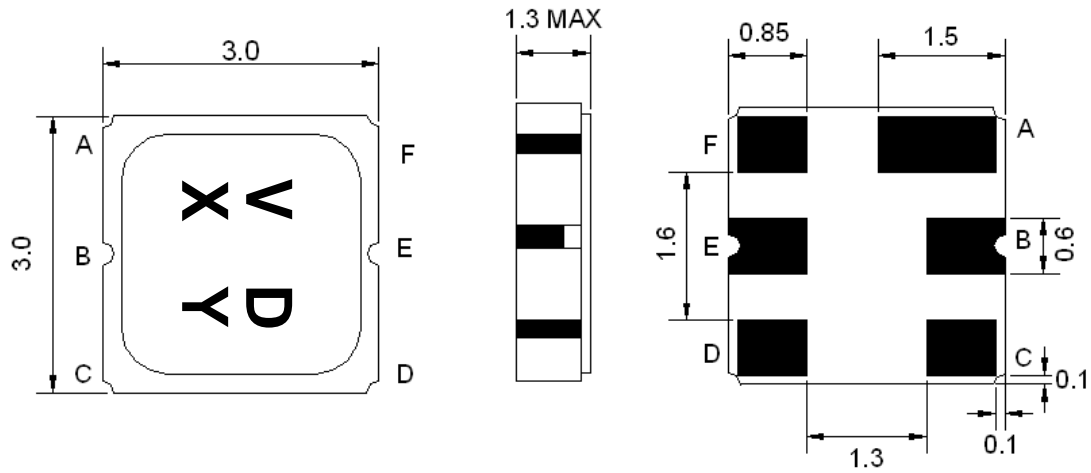
## Electrical Characteristics

| MAXIMUM RATING                                 |                 |         |           |         |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION                         | UNIT            | MINIMUM | TYPICAL   | MAXIMUM |
| Operating Temperature Range                    | °C              | -30     | -         | +85     |
| Storage Temperature Range                      | °C              | -40     | -         | +85     |
| Maximum DC Voltage                             | V               | -       | -         | 5       |
| 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               | -       | 1000.0  | -       |
| Insertion Loss within 997.5 ~ 1002.5 MHz   | dB                | -       | 2.0     | 3.5     |
| Amplitude Ripple within 997.5 ~ 1002.5 MHz | dB <sub>p-p</sub> | -       | 0.3     | 1.5     |
| <b>Attenuation:</b>                        |                   |         |         |         |
| 875.0 ~ 950.0 MHz                          | dB                | 40      | 50      | -       |
| 1080.0 ~ 1125.0 MHz                        | dB                | 45      | 55      | -       |
| VSWR within 997.5 ~ 1002.5 MHz             | -                 | -       | 1.4     | 2.0     |

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

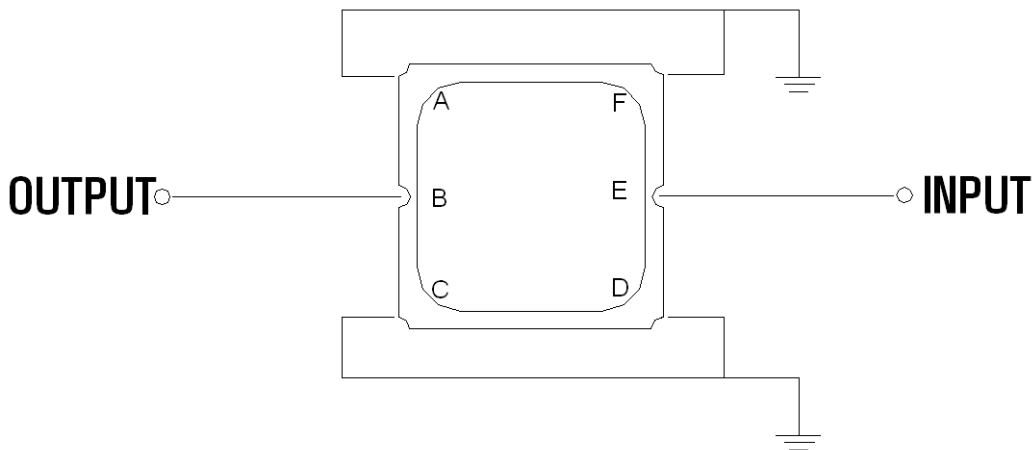
## Package Dimensions



| Marking Descriptions |                      |
|----------------------|----------------------|
| V                    | Wireless Application |
| D                    | Series Number        |
| X                    | Date Code (Year)     |
| Y                    | Date Code (Month)    |

| Pin Description |        |
|-----------------|--------|
| A, C, D, F      | Ground |
| E               | In     |
| B               | Out    |

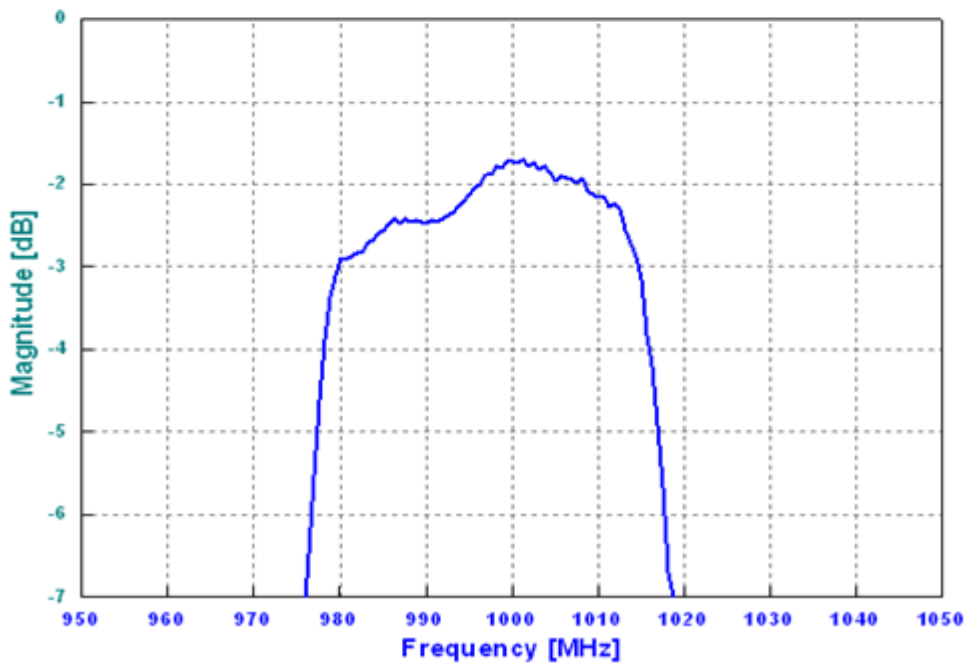
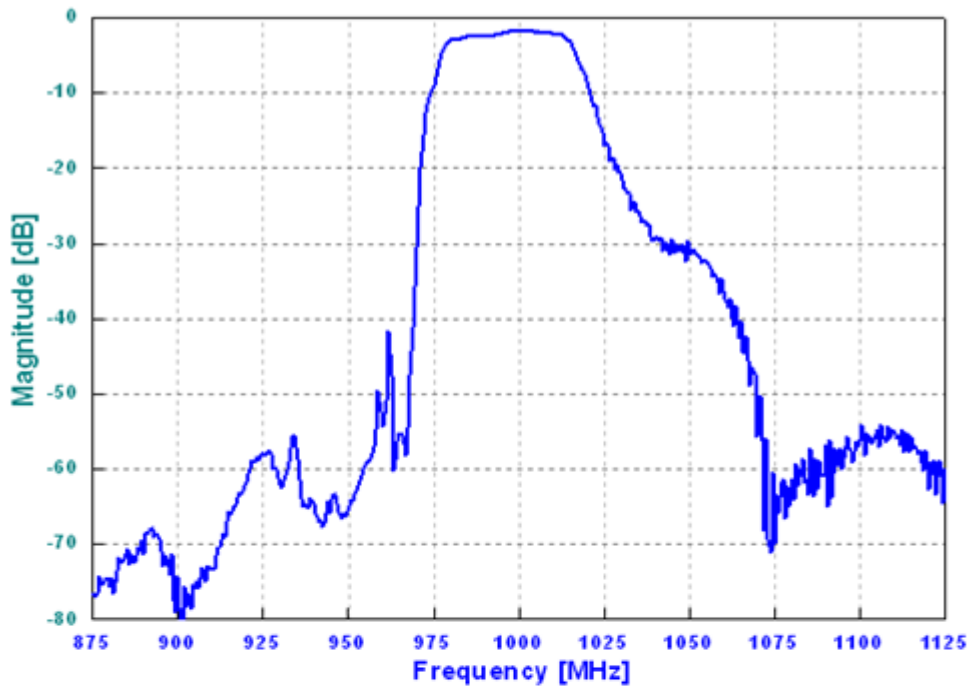
## Testing Environment



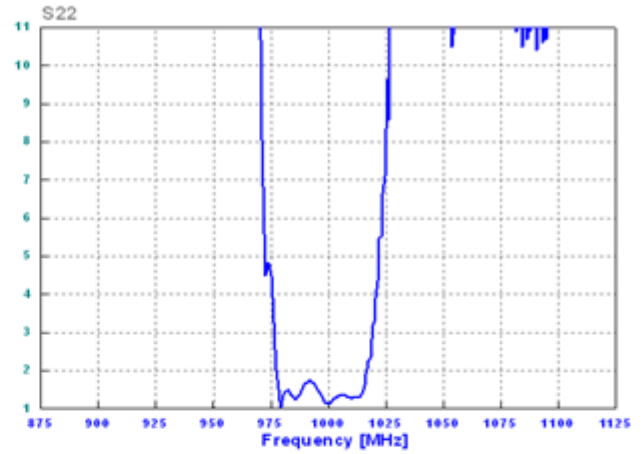
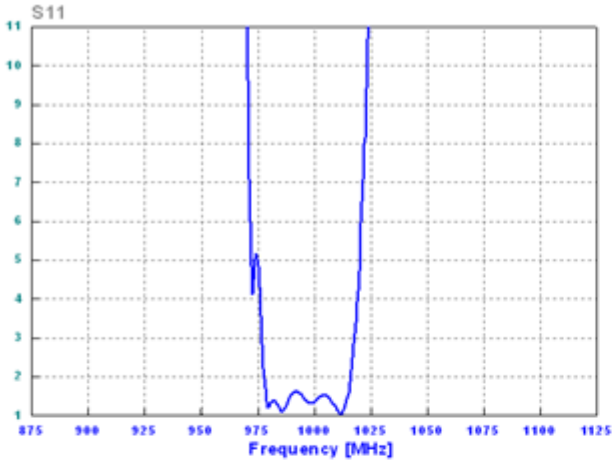
Source & Load Impedance: 50 Ω

## Frequency Characteristics

Frequency Response



## VSWR



## Smith Chart

