

- Wireless, RF SAW Filter
- Revision 0: September 2013

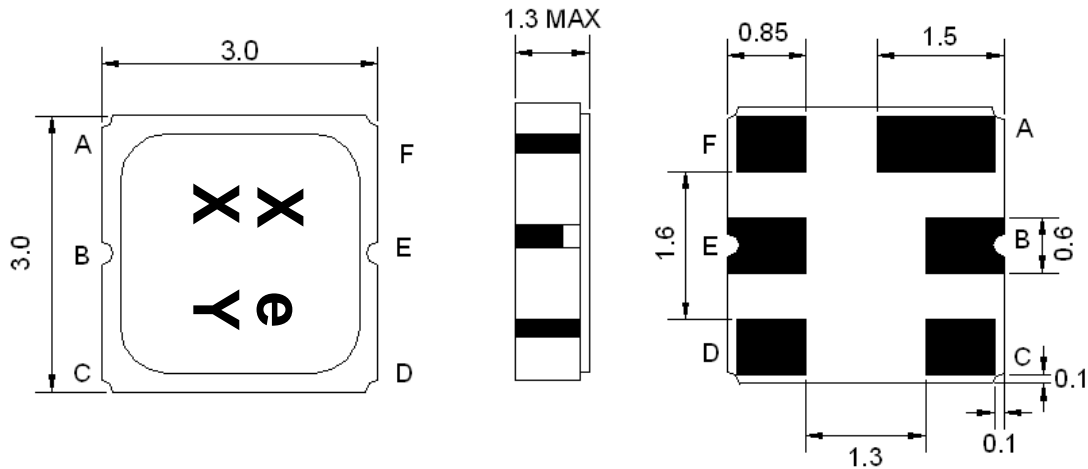
Electrical Characteristics

| MAXIMUM RATINGS | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -40 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 5 |
| Maximum Input Power | dBm | - | - | 15 |
| Source Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Load Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Package type & size | S20 | | | |
| Length x Width | mm ² | - | 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 _{p-p} | - | 0.3 | 1.5 |
| Attenuation: | | | | |
| D.C ~ Fo-100.0 MHz | dB | 50 | 55 | - |
| Fo+100.0 ~ Fo+400.0 MHz | dB | 45 | 51 | - |
| Fo+400.0 ~ Fo+750.0 MHz | dB | 40 | 47 | - |
| Fo+750.0 ~ Fo+1000.0 MHz | dB | 35 | 42 | - |
| Fo+1000.0 ~ Fo+2000.0 MHz | dB | 20 | 28 | - |
| VSWR within 997.5 ~ 1002.5 MHz | - | - | 1.5 | 2.0 |

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

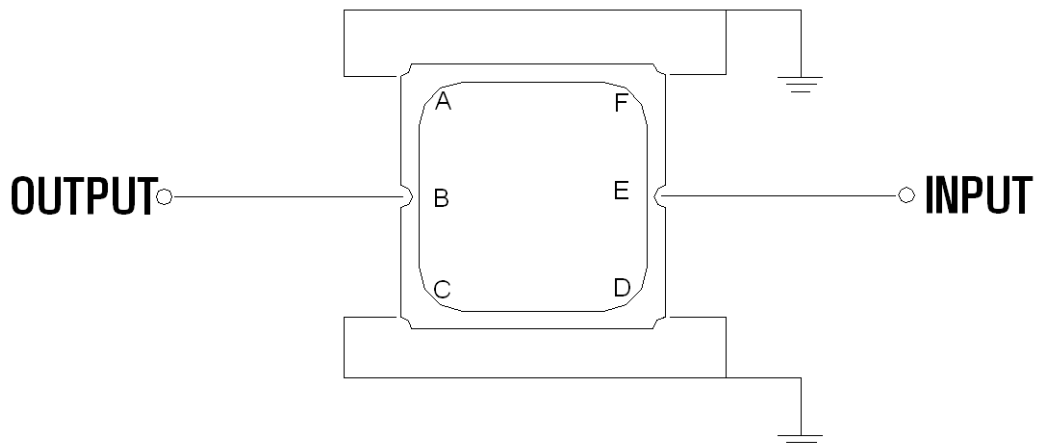
Package Dimensions



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

| Pin Description | |
|-----------------|-----------------|
| A, C, D, F | Ground |
| E | Input or Output |
| B | Output or Input |

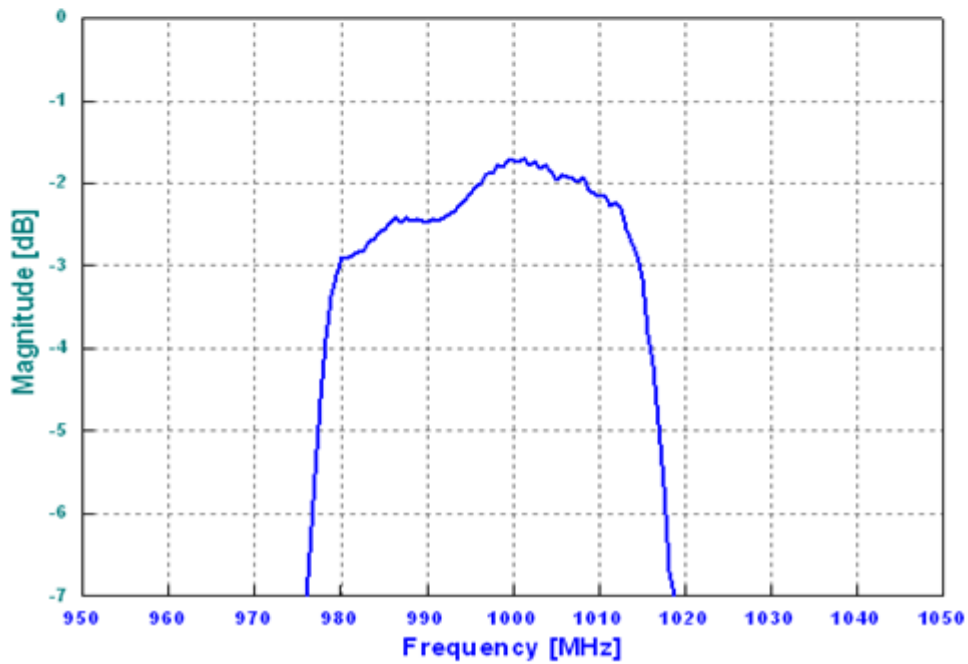
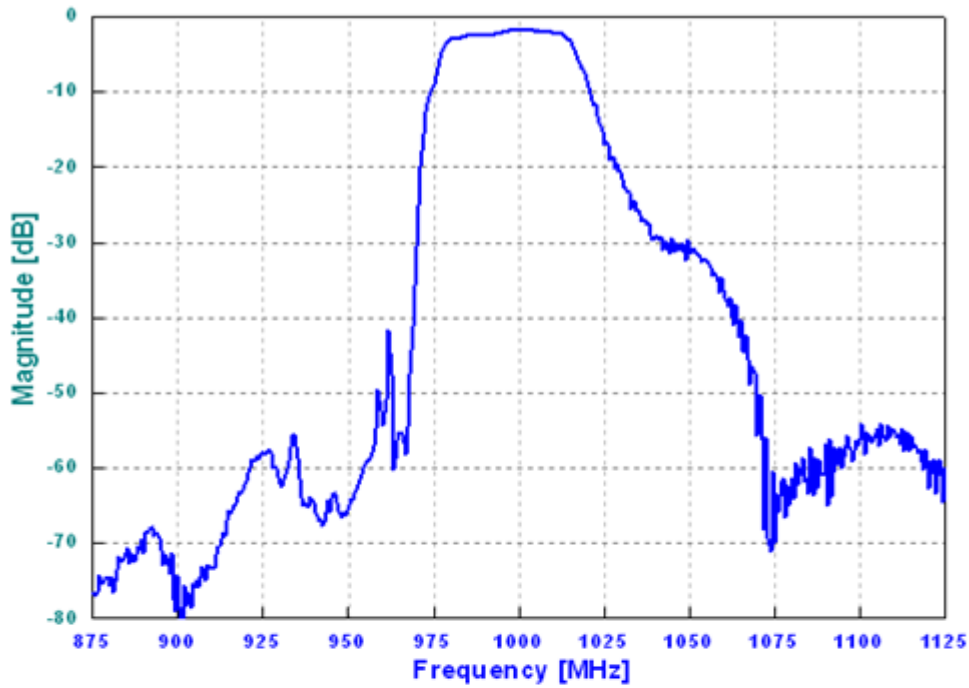
Testing Environment



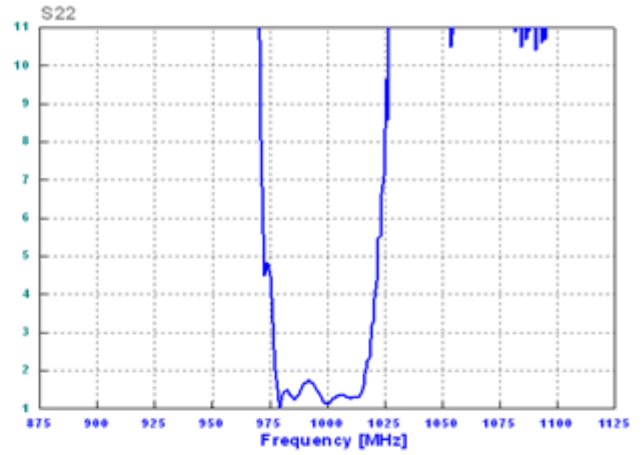
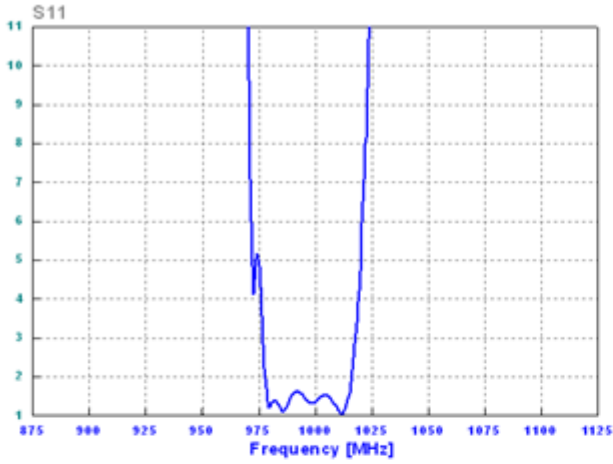
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

