

- Wireless, RF SAW Filter
- Revision 0: October 2009

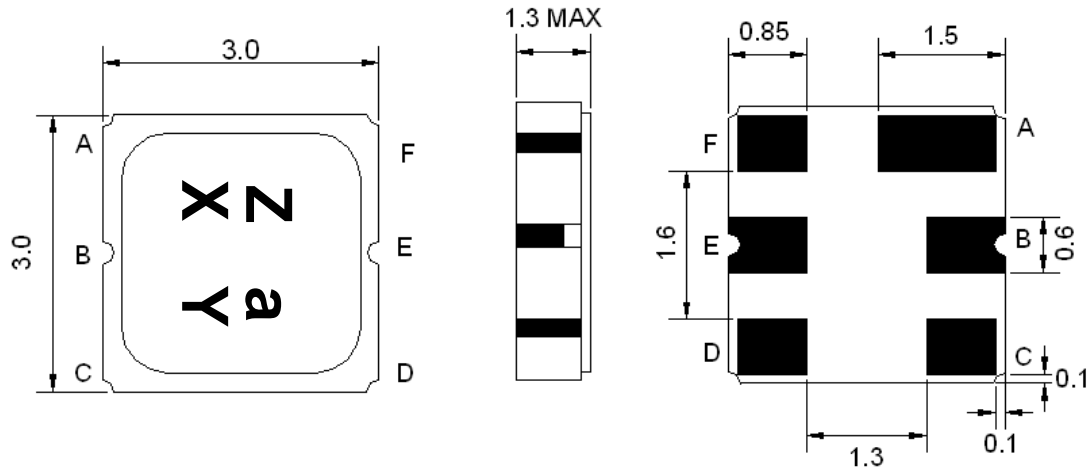
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -30 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 0 |
| Maximum Input Power | dBm | - | - | 20 |
| Source Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Load Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Package type & size | M | | | |
| 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 | - | 800.0 | - |
| Insertion Loss within 790.0 ~ 810.0 MHz | dB | - | 2.3 | 3.0 |
| Amplitude Ripple within 790.0 ~ 810.0 MHz | dB _{p-p} | - | 1.4 | 2.0 |
| Attenuation: | | | | |
| 0.3 ~ 760.0 MHz | dB | 25 | 30 | - |
| 832.0 ~ 852.0 MHz | dB | 30 | 37 | - |
| 852.0 ~ 900.0 MHz | dB | 25 | 32 | - |
| VSWR within 790.0 ~ 810.0 MHz | - | - | 2.1 | 2.5 |

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

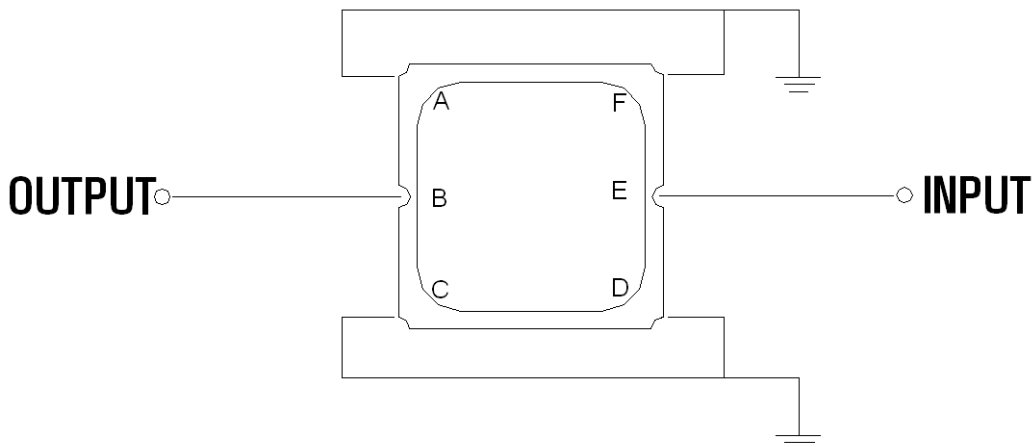
Package Dimensions



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

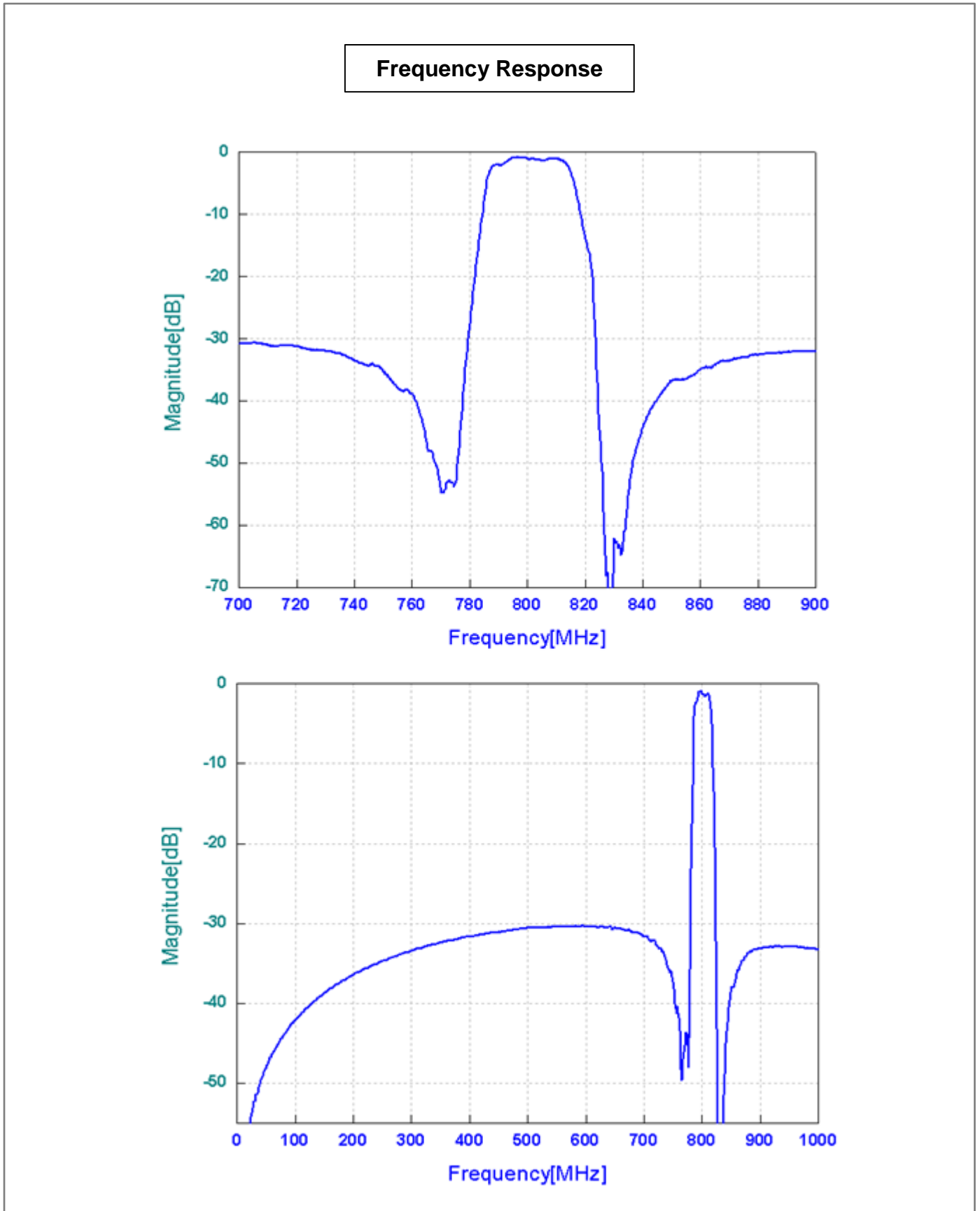
| Pin Description | |
|-----------------|-----------|
| A, C, D, F | Ground |
| B | In or Out |
| E | Out or In |

Testing Environment

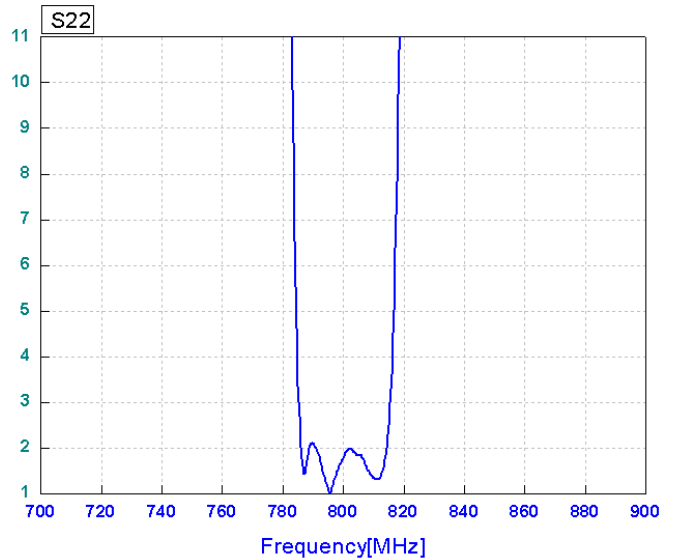
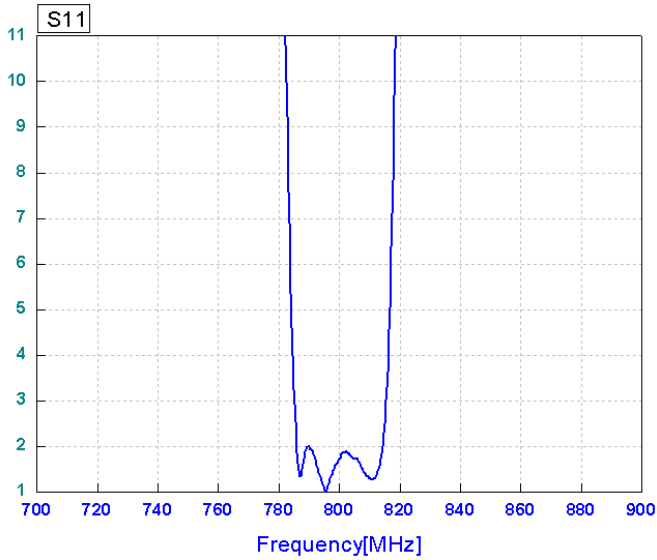


Source & Load Impedance: 50 Ω

Frequency Characteristics



VSWR



Smith Chart

