

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

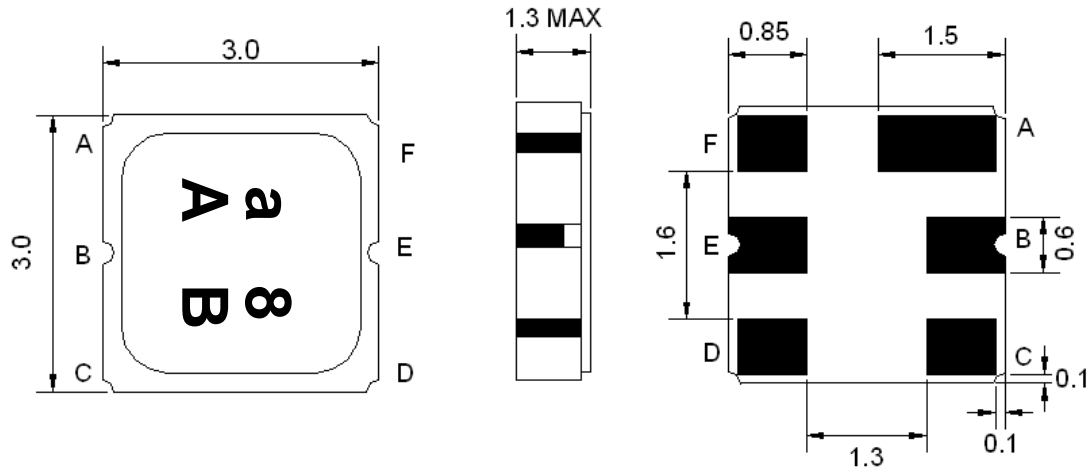
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -5 | - | +70 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 0 |
| Maximum Input Power | dBm | - | - | 10 |
| 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 | - | 831.5 | - |
| Insertion Loss within 824.0~839.0MHz | dB | - | 1.3 | 3.0 |
| Amplitude Ripple within 824.0~839.0MHz | dB _{p-p} | - | 0.6 | 1.5 |
| Attenuation: | | | | |
| 0.3 ~ 800.0 MHz | dB | 30 | 34 | - |
| 854.0 MHz | dB | 15 | 45 | - |
| 869.0 ~ 884.0 MHz | dB | 35 | 40 | - |
| 884.0 ~ 2000.0 MHz | dB | 30 | 35 | - |
| VSWR within 824.0~839.0MHz | - | - | 1.8 | 2.1 |

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

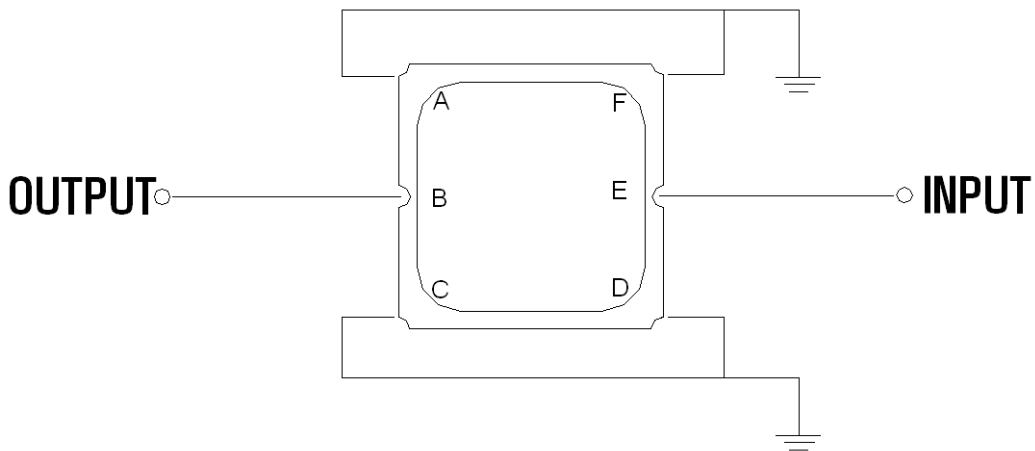
Package Dimensions



| Marking Descriptions | |
|----------------------|----------------------|
| a | Wireless Application |
| 8 | Series Number |
| A | Date Code (Year) |
| B | Date Code (Month) |

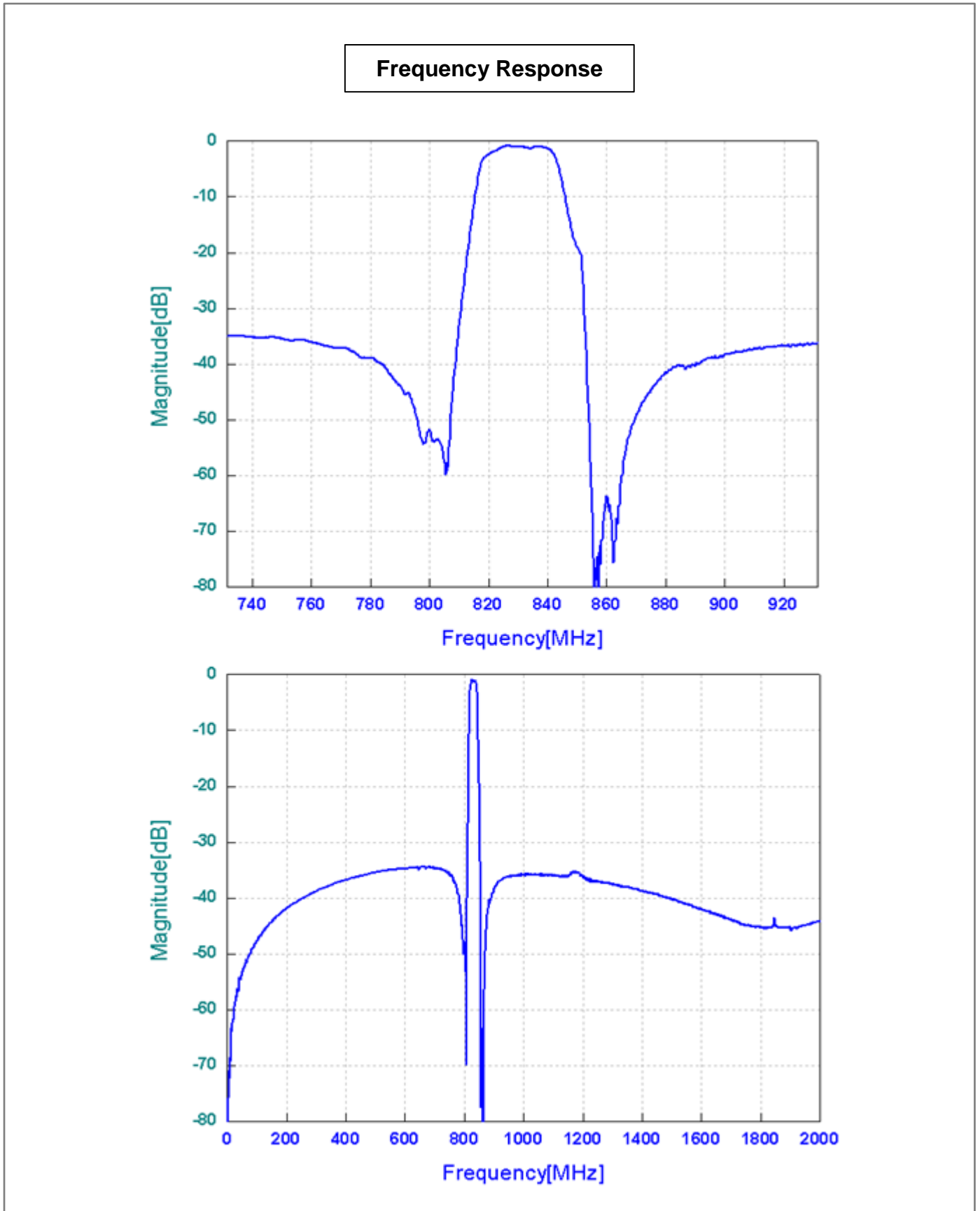
| Pin Description | |
|-----------------|-----------|
| A, C, D, F | Ground |
| E | In or Out |
| B | Out or In |

Testing Environment

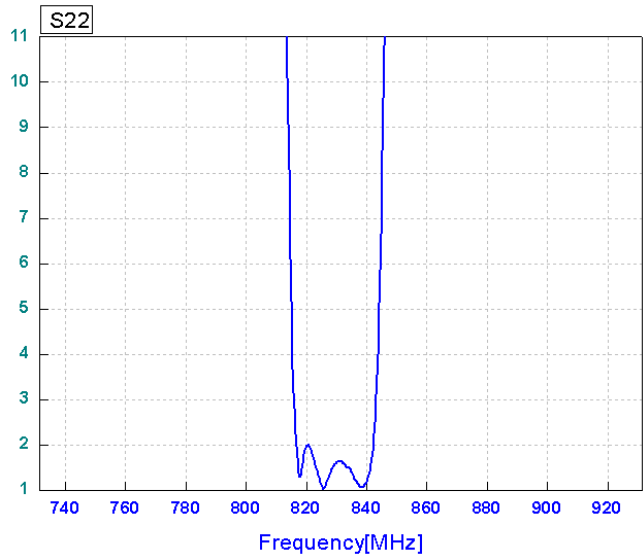
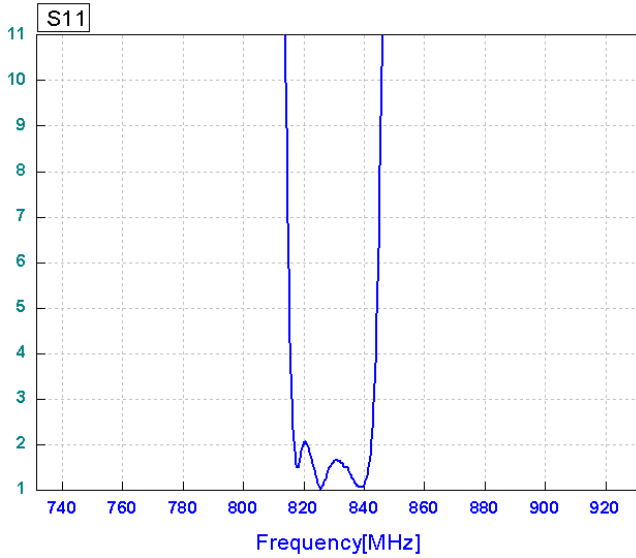


Source & Load Impedance: 50 Ω

Frequency Characteristics



VSWR



Smith Chart

