

- Bluetooth, RF SAW Filter
- Revision 0: May 2012

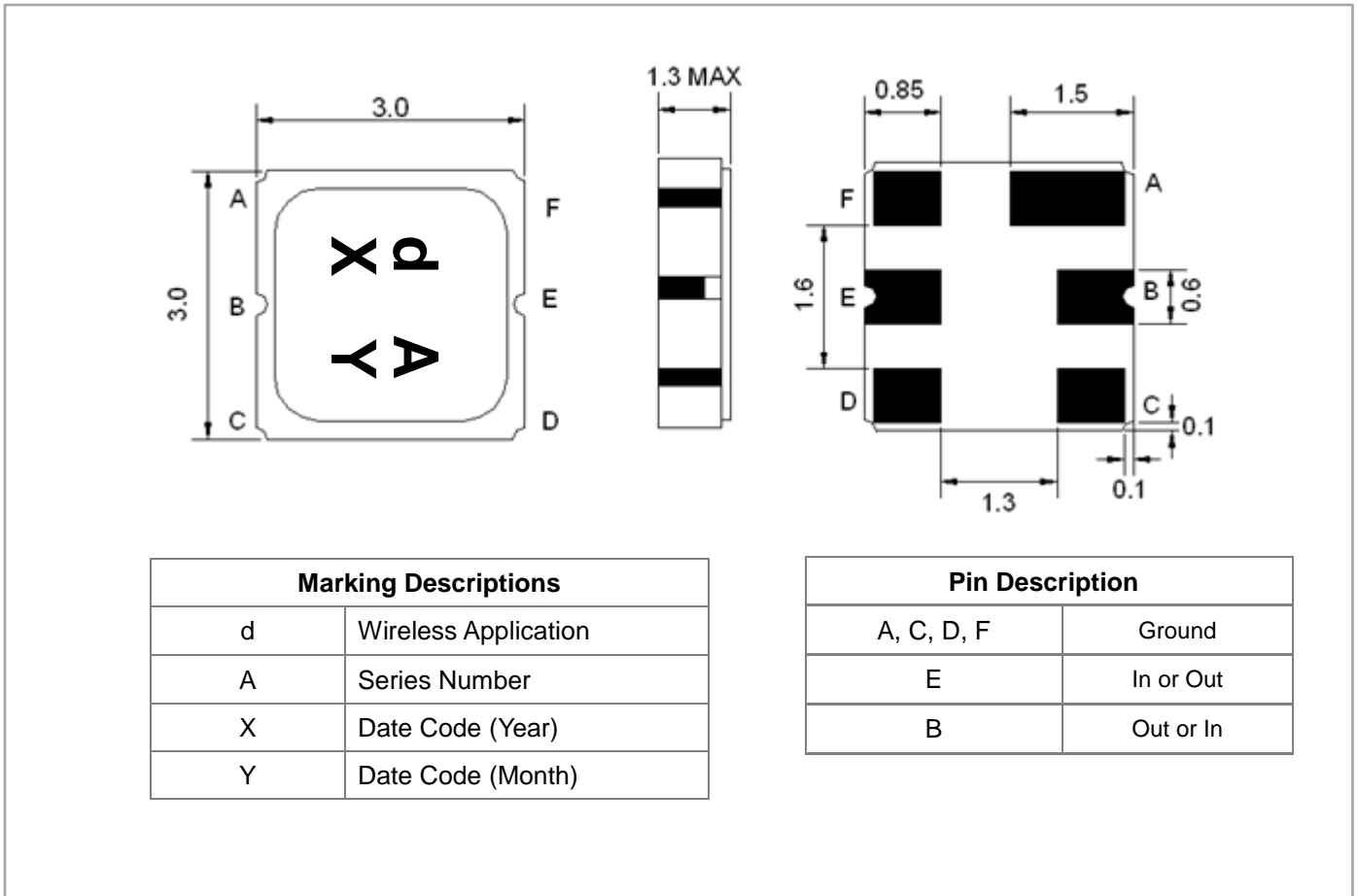
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -40 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | - |
| Maximum Input Power | dBm | - | - | 26 |
| 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 |

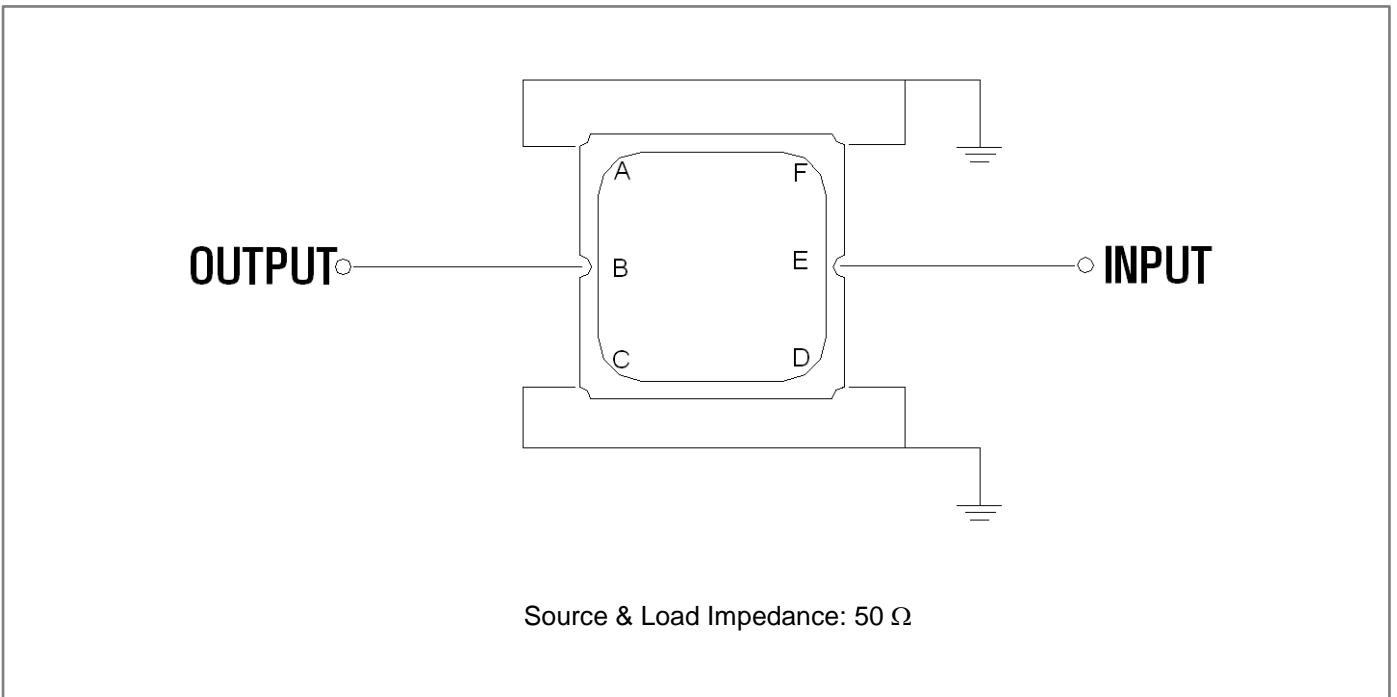
| ELECTRICAL SPECIFICATION | | | | |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo) | MHz | - | 2441.8 | - |
| Insertion Loss within 2400.0 ~ 2483.5 MHz | dB | - | 2.8 | 5.0 |
| Amplitude Ripple within 2400.0 ~ 2483.5 MHz | dB _{p-p} | - | 1.5 | 3.0 |
| Attenuation: | | | | |
| D.C ~ 1700.0 MHz | dB | 20 | 26 | - |
| 1700.0 ~ 2200.0 MHz | dB | 23 | 27 | - |
| 2700.0 ~ 3100.0 MHz | dB | 30 | 34 | - |
| 3100.0 ~ 4000.0 MHz | dB | 25 | 33 | - |
| 4000.0 ~ 5000.0 MHz | dB | 10 | 20 | - |
| VSWR within 2400.0 ~ 2483.5 MHz | - | - | 2.0 | 2.6 |

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

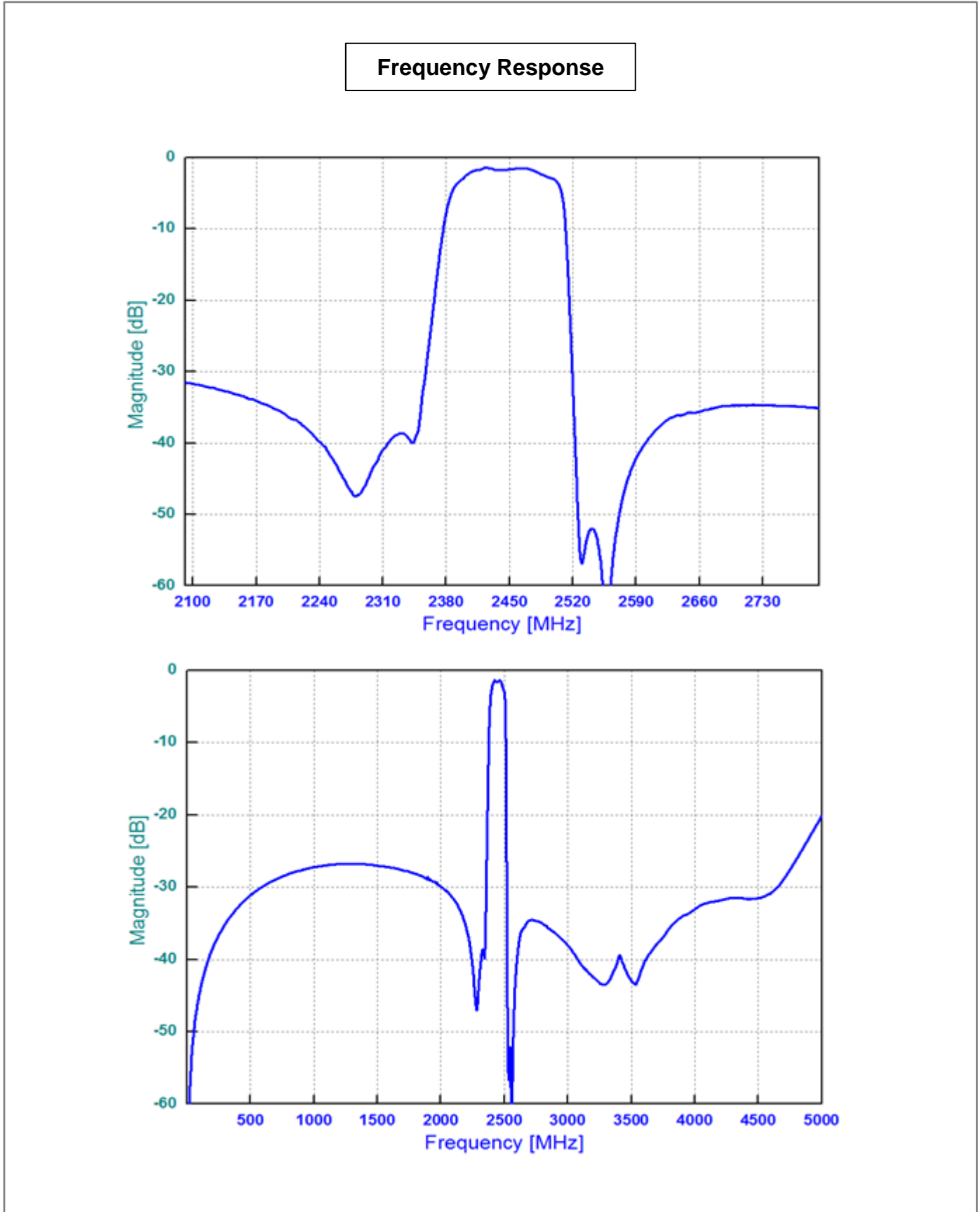
Package Dimensions



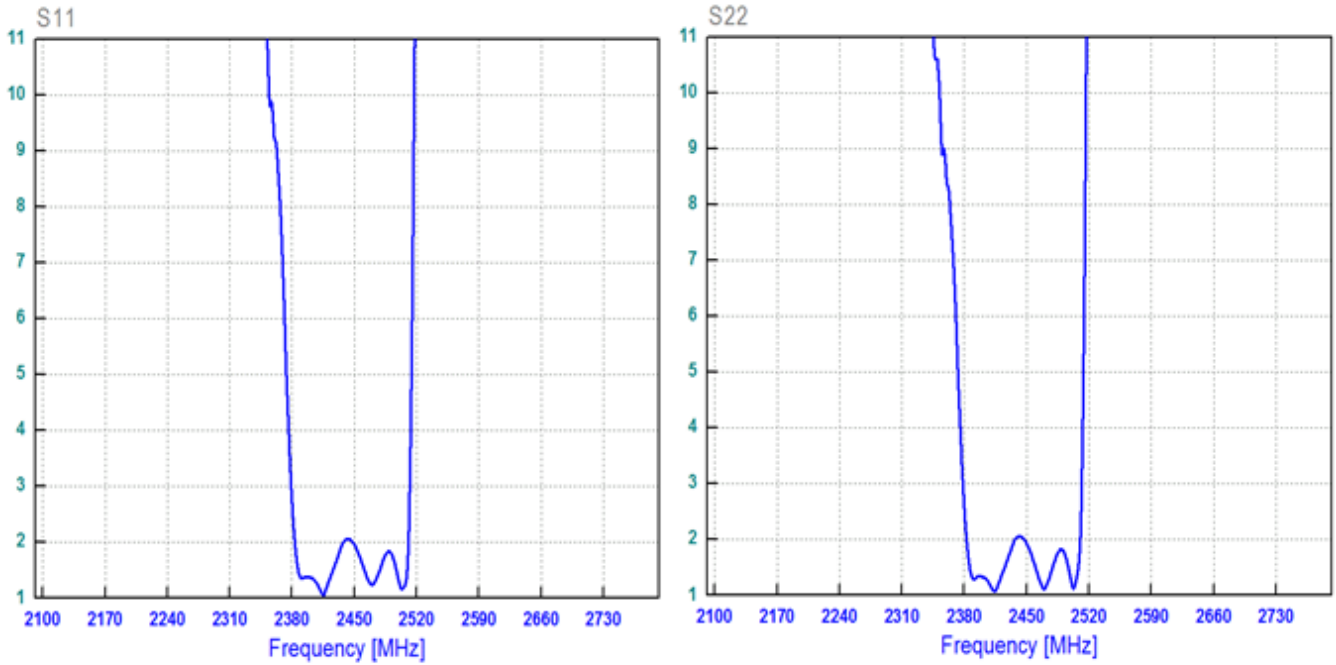
Testing Environment



Frequency Characteristics



VSWR



Smith Chart

