

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

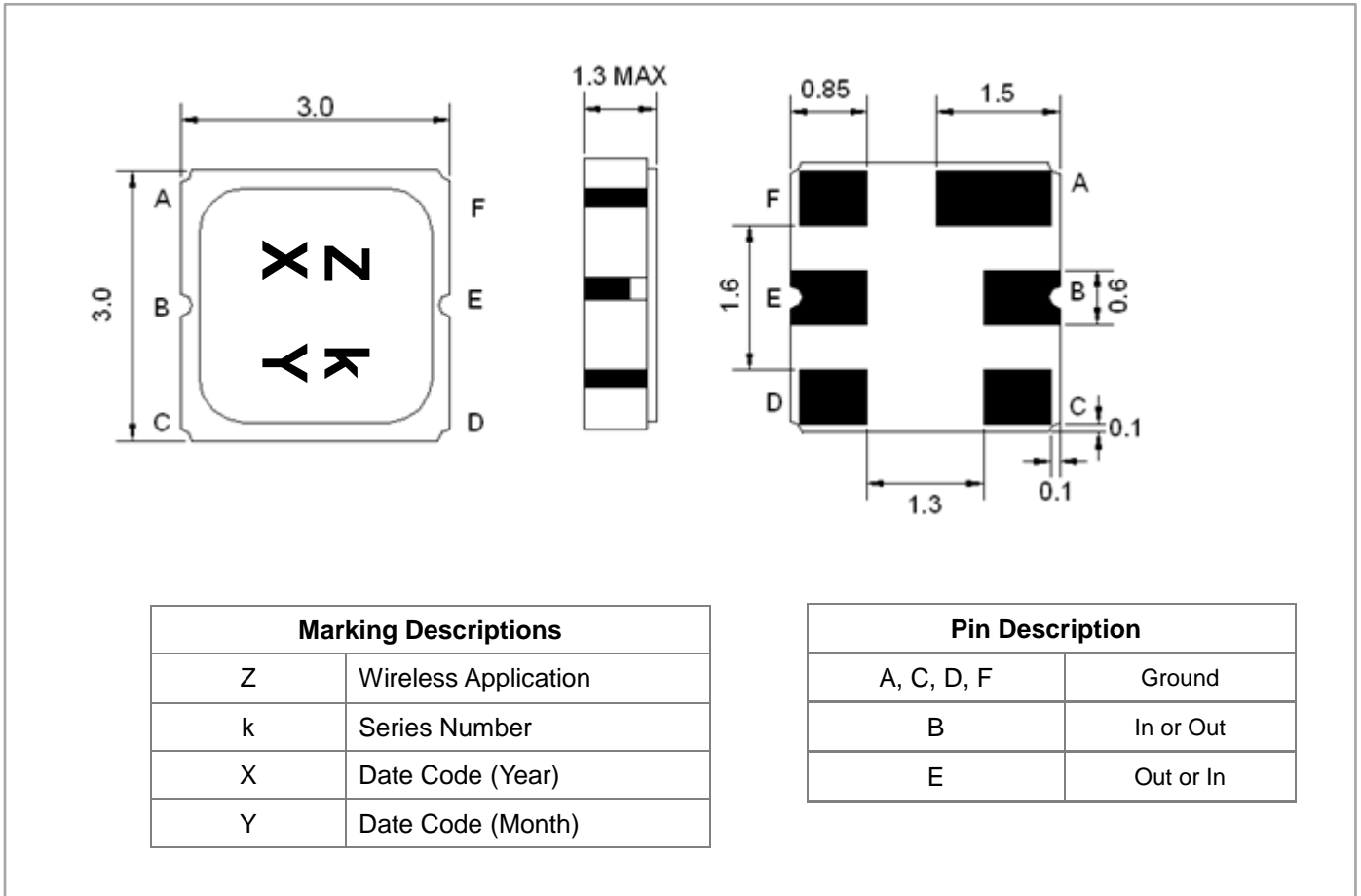
Electrical Characteristics

| 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 | - | - | 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 |

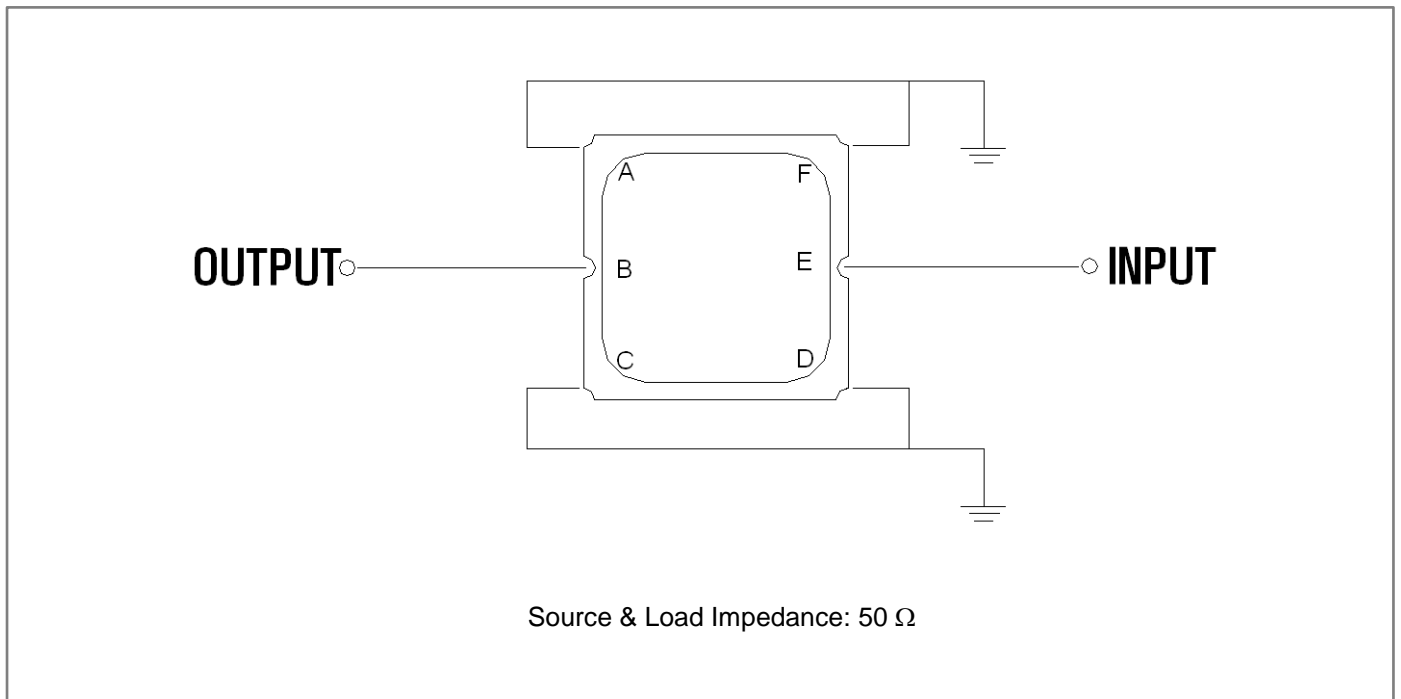
| ELECTRICAL SPECIFICATION | | | | |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo) | MHz | - | 1950 | - |
| Insertion Loss within 1940.0 ~ 1960.0 MHz | dB | - | 1.6 | 3.5 |
| Amplitude Ripple within 1940.0 ~ 1960.0 MHz | dB _{p-p} | - | 0.4 | 1.5 |
| Attenuation: | | | | |
| 1780.0 ~ 1880.0 MHz | dB | 35 | 47 | - |
| 2025.0 ~ 2140.0 MHz | dB | 40 | 50 | - |
| VSWR within 1940.0 ~ 1960.0 MHz | - | - | 1.4 | 2.2 |

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

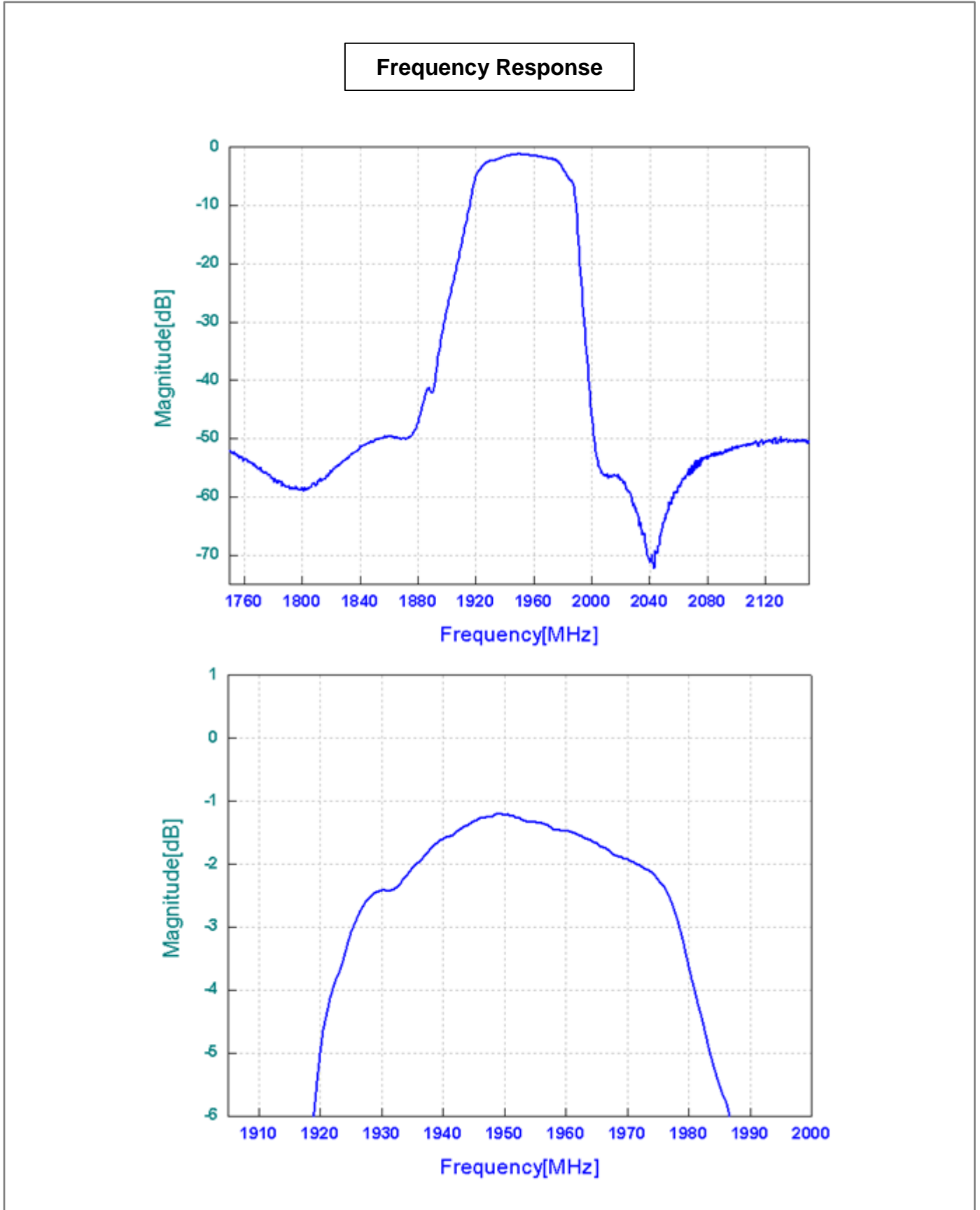
Package Dimensions



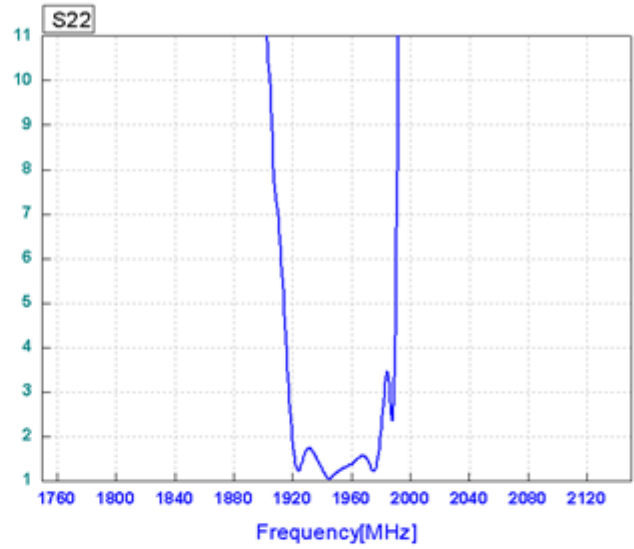
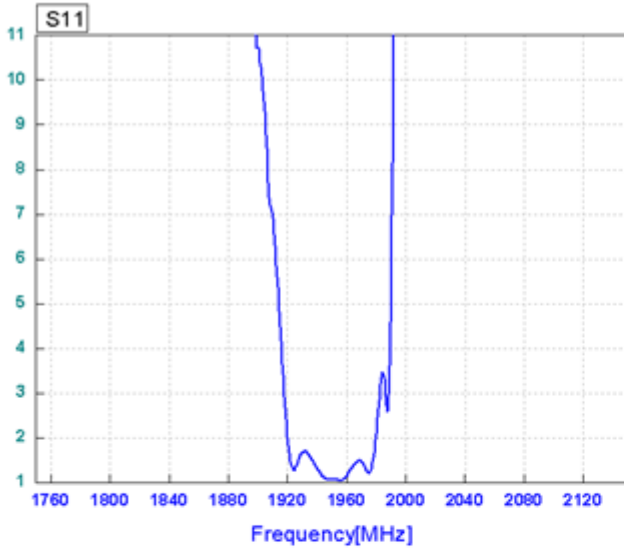
Testing Environment



Frequency Characteristics



VSWR



Smith Chart

