

- Wireless, Balanced RF SAW Filter
- Revision 0: March 2014

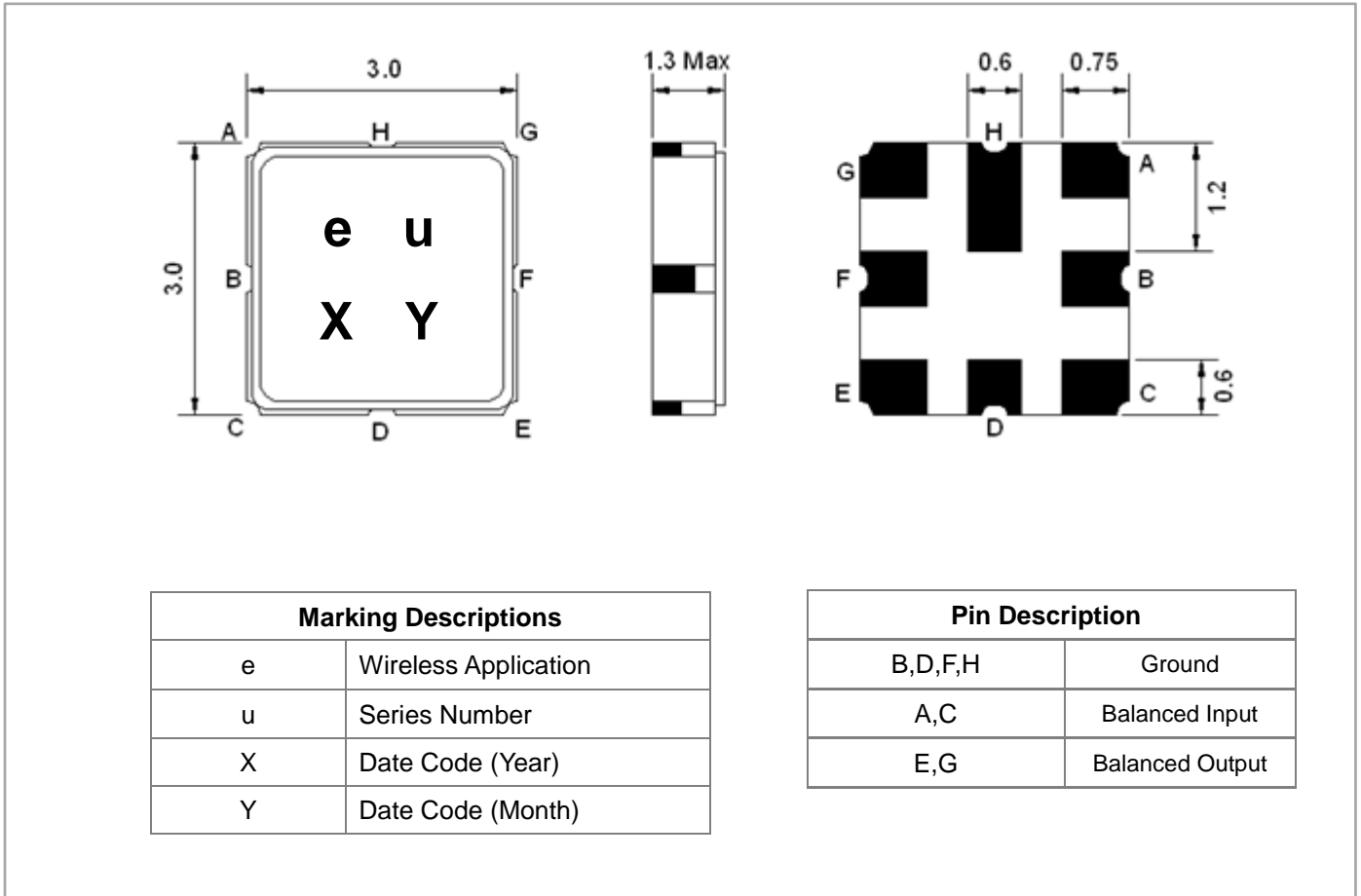
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -40 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 0 |
| Maximum Input Power | dBm | - | - | 10 |
| Source Impedance (balanced) ⁽¹⁾ | Ω | - | 200 | - |
| Load Impedance (balanced) ⁽¹⁾ | Ω | - | 200 | - |
| Package type & size | S21 | | | |
| Length x Width | mm ² | - | 3.0 x 3.0 | - |
| Height | mm | - | - | 1.3 |

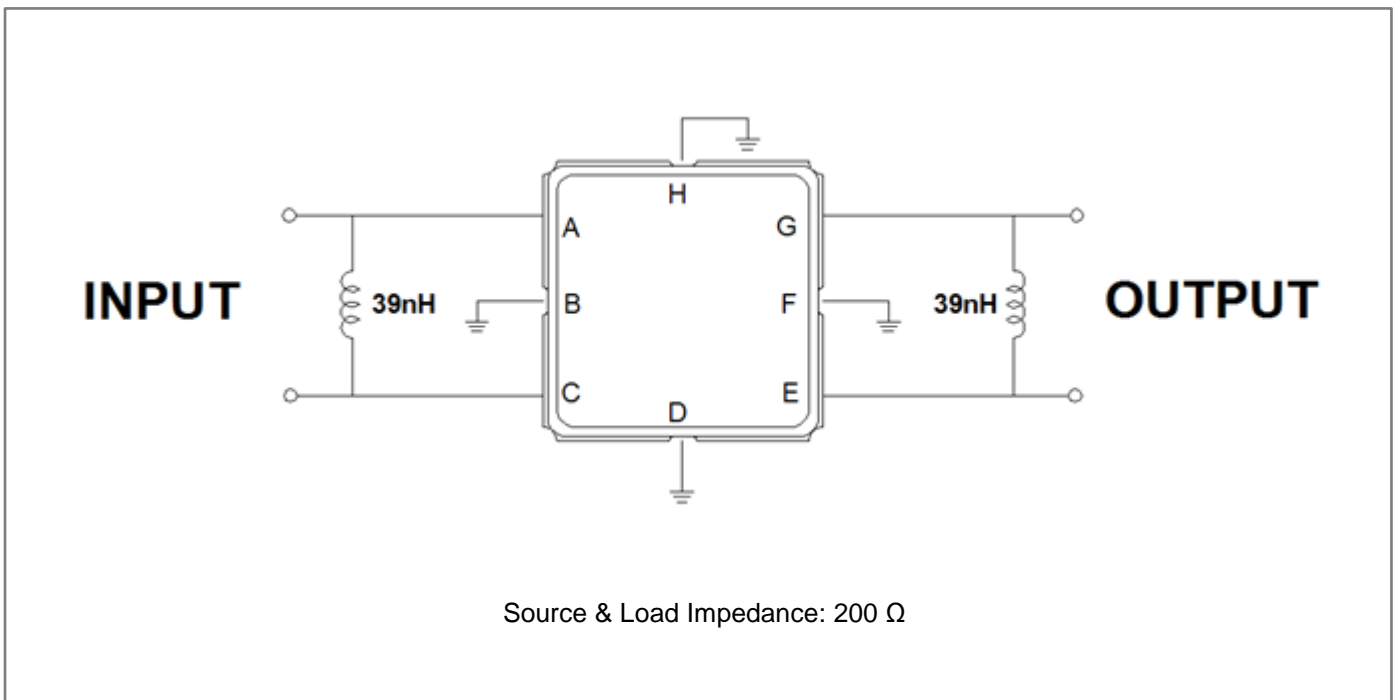
| ELECTRICAL SPECIFICATION | | | | |
|--|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo) | MHz | - | 1229.5 | - |
| Insertion Loss within 1205.0 ~ 1254.0 MHz | dB | - | 3.6 | 5.0 |
| Amplitude Ripple within 1205.0 ~ 1254.0 MHz | dB _{p-p} | - | 1.0 | 3.0 |
| Group Delay Variation within 1205.0 ~ 1228.0 MHz within 1237.0 ~ 1254.0 MHz | ns _{p-p} | - | 4 | 12 |
| Return Loss within 1205.0 ~ 1254.0 MHz | dB | 10 | 12 | - |
| Relative Attenuation: | | | | |
| 0.3 ~1150.0 MHz | dB | 30 | 32 | - |
| 1150.0 ~ 1160.0 MHz | dB | 20 | 41 | - |
| 1160.0 ~ 1170.0 MHz | dB | 10 | 25 | - |
| 1290.0 ~ 1298.0 MHz | dB | 10 | 27 | - |
| 1298.0 ~ 1306.0 MHz | dB | 20 | 44 | - |
| 1306.0 ~ 3000.0 MHz | dB | 30 | 37 | - |

Notes: (1) With Matching Network

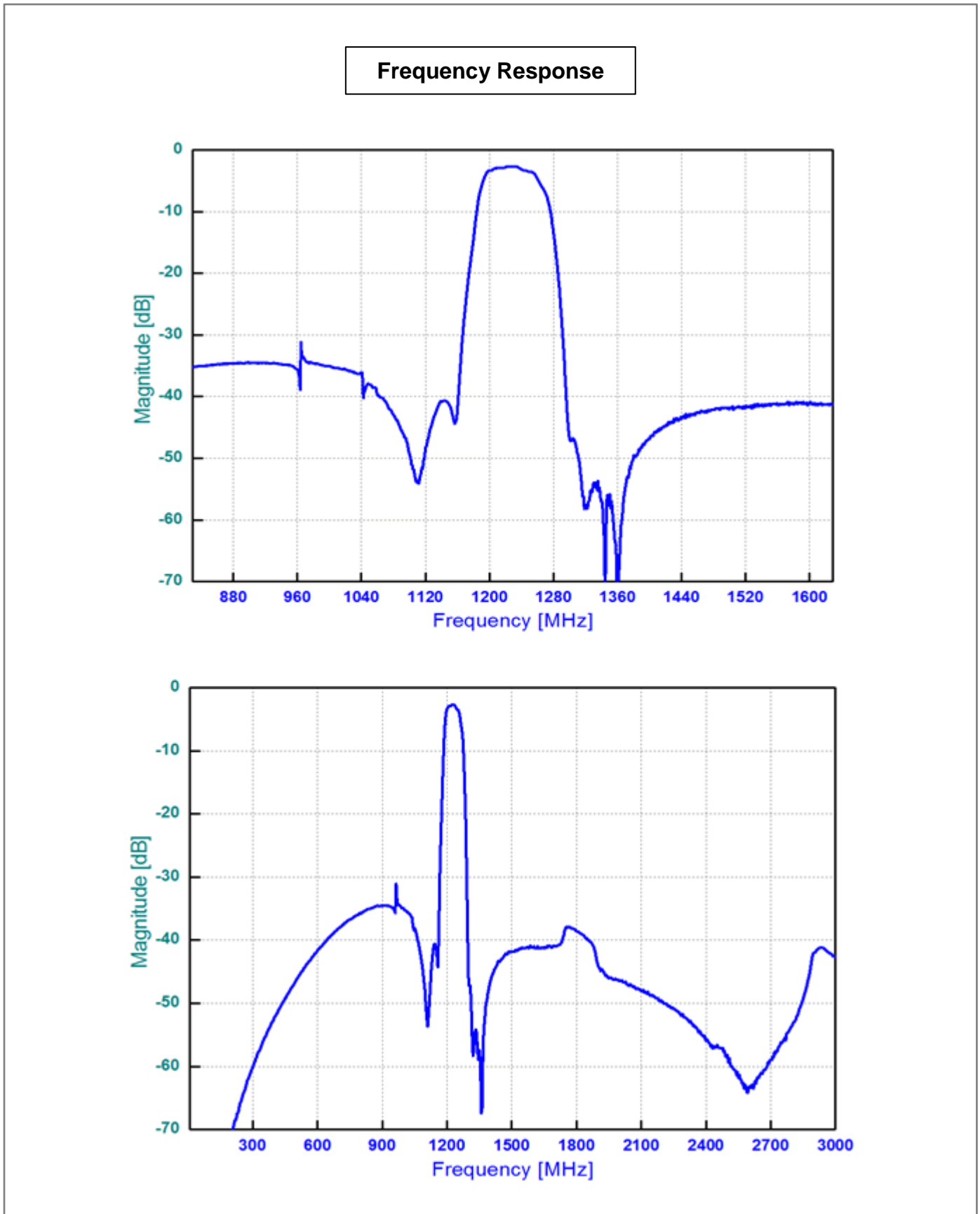
Package Dimensions



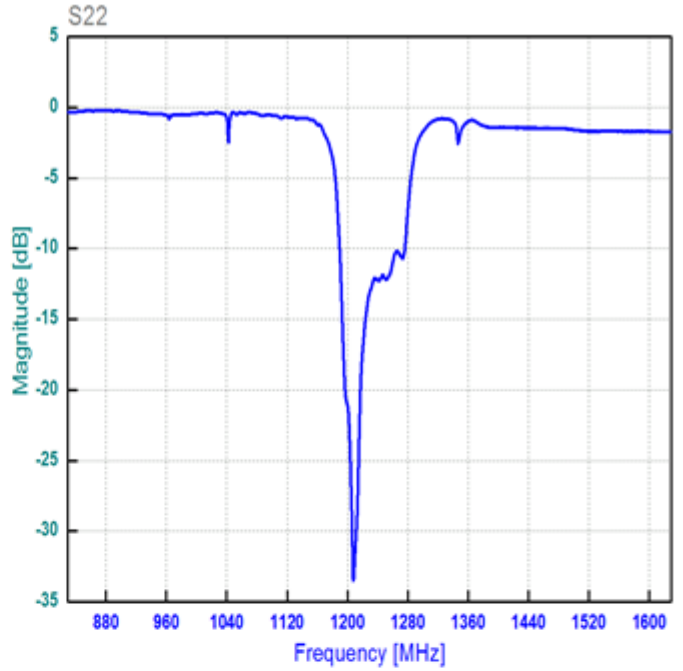
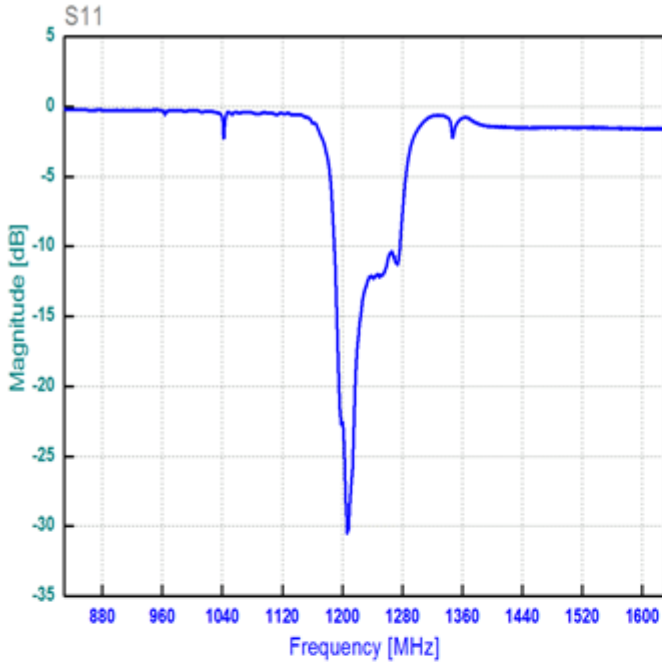
Testing Environment



Frequency Characteristics



Return Loss



Smith Chart

