

- Wireless, Balanced RF SAW Filter
- Revision 0: February 2007

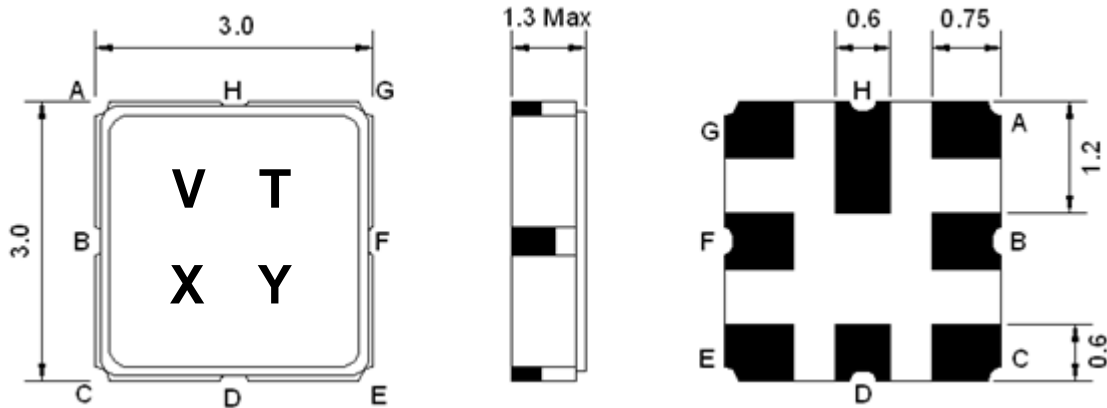
Electrical Characteristics

| 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 | - | - | 15 |
| Source Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Load Impedance (balanced ended) ⁽¹⁾ | Ω | - | 50 | - |
| Package type & size | M1 | | | |
| 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 | - | 1542.0 | - |
| Maximum Insertion Loss within 1525 ~ 1559 MHz | dB | - | 3.0 | 4.35 |
| Amplitude Ripple within 1525 ~ 1559 MHz | dB _{p-p} | - | 0.6 | 1.5 |
| Attenuation: | | | | |
| D.C. ~ 1000 MHz | dB | 50 | 60 | - |
| 1000 ~ 1480 MHz | dB | 37 | 50 | - |
| 1480 ~ 1490 MHz | dB | 20 | 42 | - |
| 1575 MHz | dB | 2 | 10 | - |
| 1600 ~ 1650 MHz | dB | 20 | 30 | - |
| 1650 ~ 1785 MHz | dB | 35 | 43 | - |
| 1785 ~ 2200 MHz | dB | 33 | 50 | - |
| 2200 ~ 2500 MHz | dB | 28 | 45 | - |
| 2500 ~ 4000 MHz | dB | 20 | 30 | - |
| Input / Output VSWR within 1525 ~ 1559 MHz | - | - | 1.7 | 2.2 |

Notes: (1) No Matching Network

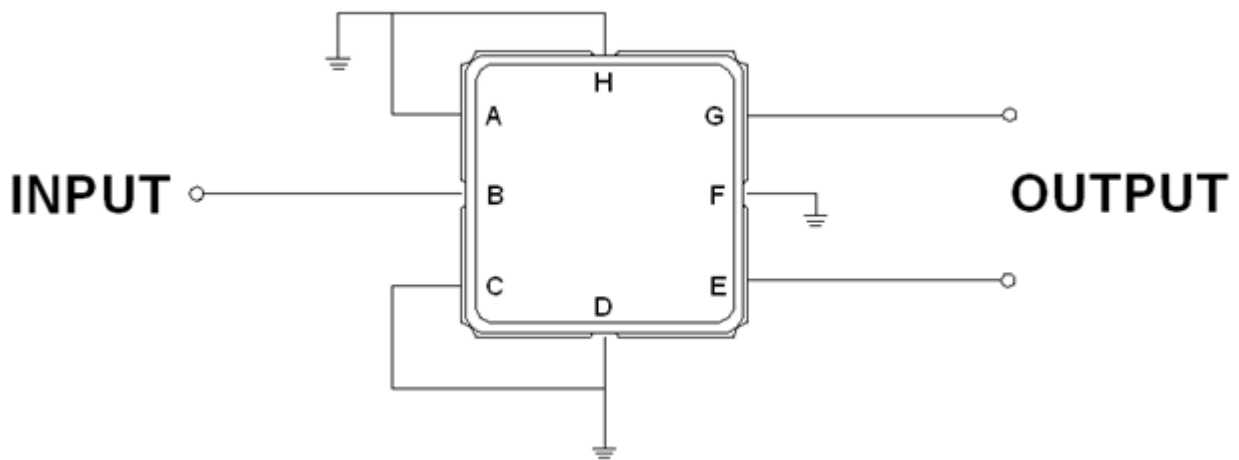
Package Dimensions



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

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

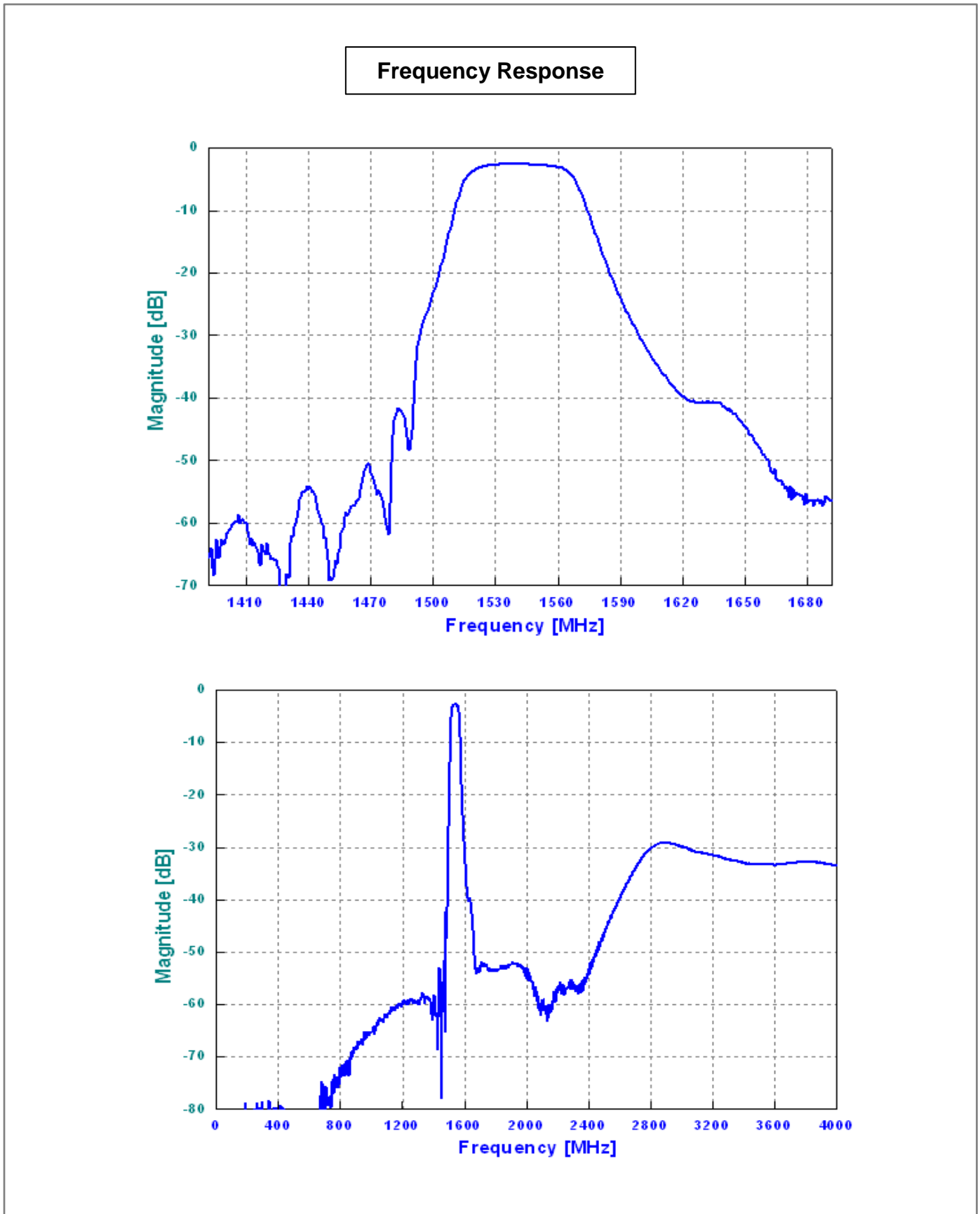
Testing Environment



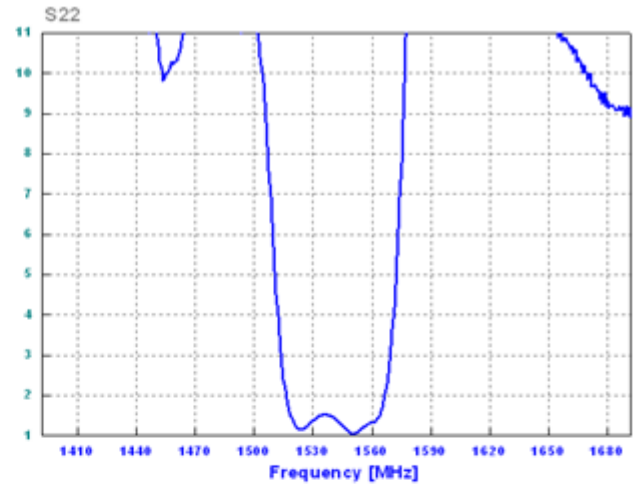
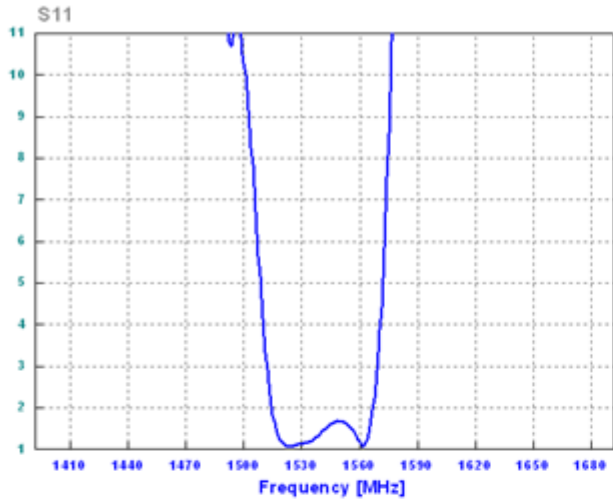
Source Impedance : 50 Ω

Load Impedance : 50 Ω

Frequency Characteristics



VSWR



Smith Chart

