

- Wireless, RF SAW Filter
- Revision 0: July 2013

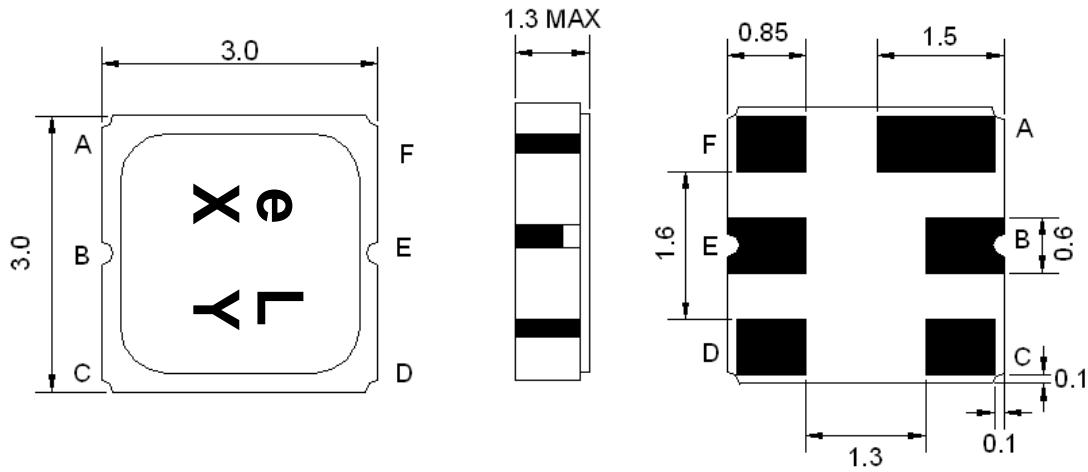
Electrical Characteristics

| MAXIMUM RATINGS | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -20 | - | +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 (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Package type & size | S20 | | | |
| 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 | - | 2035.0 | - |
| Insertion Loss within 2017.5 ~ 2052.5 MHz | dB | - | 1.6 | 3.0 |
| Amplitude Ripple within 2017.5 ~ 2052.5 MHz | dB _{p-p} | - | 0.6 | 2.0 |
| Group Delay Ripple within 2017.5 ~ 2052.5 MHz | ns _{p-p} | - | 3 | 20 |
| Attenuation: | | | | |
| D.C ~ 1935.0 (Fo -100.0) MHz | dB | 30 | 36 | - |
| 1935.0(Fo -100.0) ~ 1975.0 (Fo - 60.0 MHz) | dB | 15 | 35 | - |
| 2095.0(Fo +60.0) ~ 2135.0 (Fo +100.0 MHz) | dB | 15 | 47 | - |
| 2135.0(Fo +100.0) ~ 3000.0 MHz | dB | 35 | 42 | - |
| VSWR within 2017.5 ~ 2052.5 MHz | - | - | 1.5 | 2.0 |

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

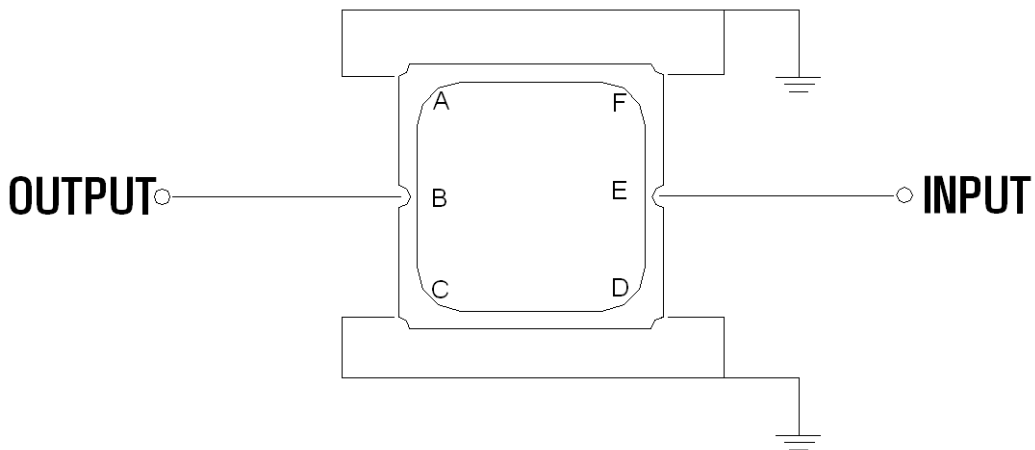
Package Dimensions



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

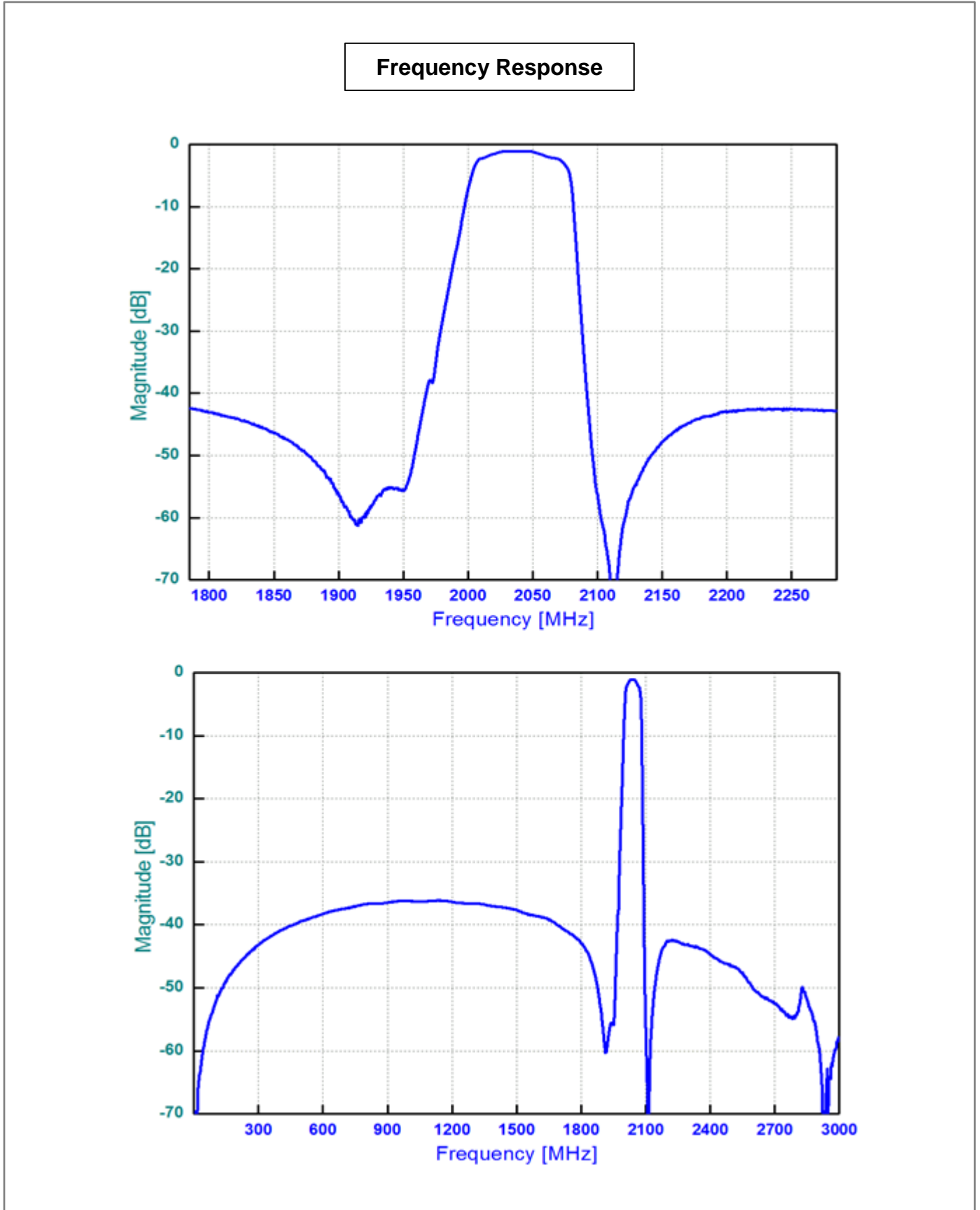
| Pin Description | |
|-----------------|-----------|
| A, C, D, F | Ground |
| E | In or Out |
| B | Out or In |

Testing Environment

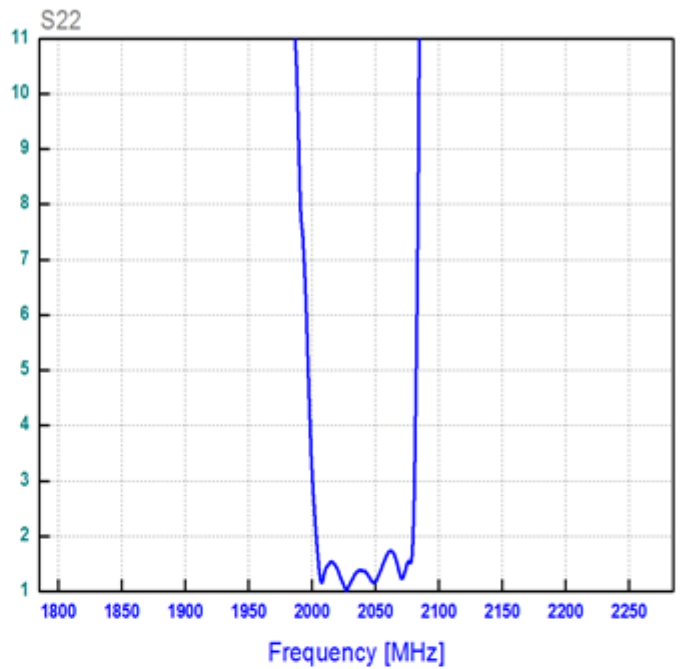
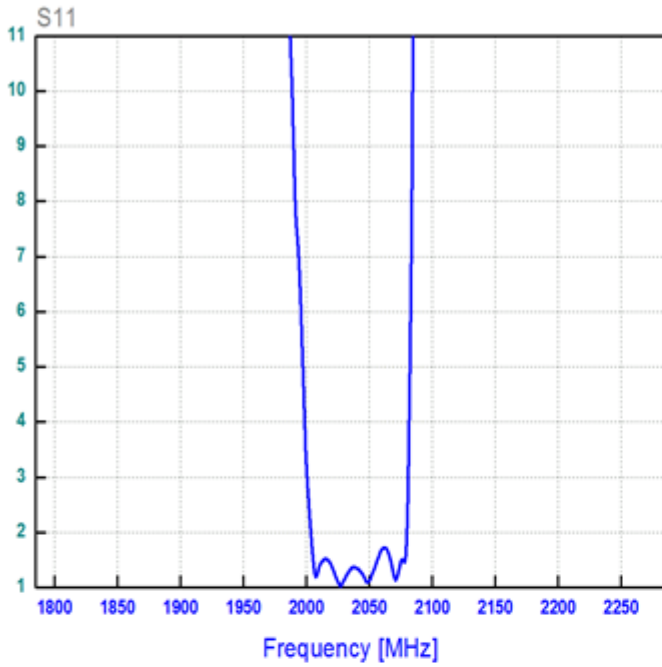


Source & Load Impedance: 50 Ω

Frequency Characteristics



VSWR



Smith Chart

