

- WLAN, RF SAW Filter
- Revision 0: October 2012

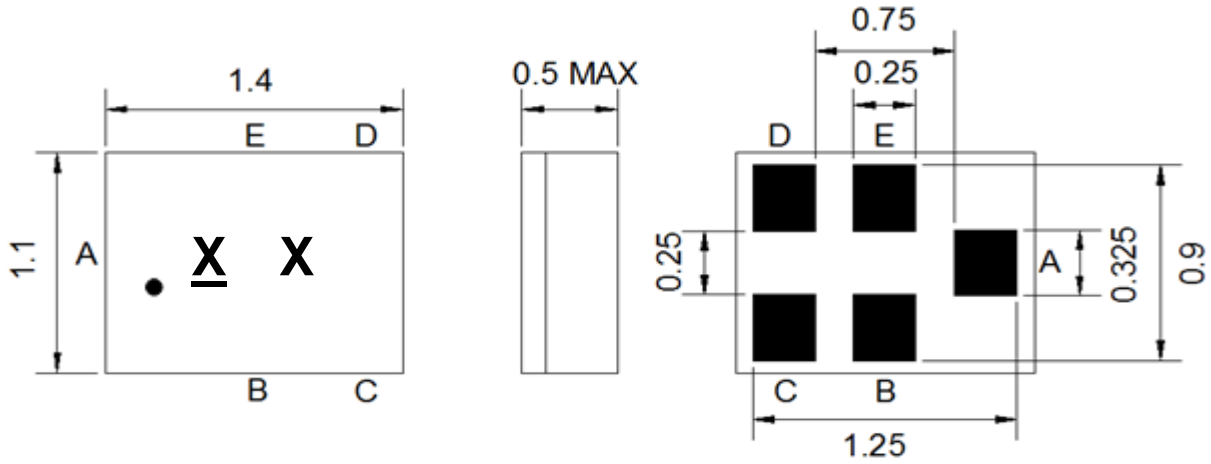
Electrical Characteristics

| 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 | Q5 | | | |
| Length x Width | mm ² | - | 1.4 x 1.1 | - |
| Height | mm | - | - | 0.50 |

| ELECTRICAL SPECIFICATION | | | | |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo) | MHz | - | 2450.0 | - |
| Max.Insertion Loss within 2400.0~2500.0 MHz | dB | - | 1.4 | 2.5 |
| Amplitude Ripple within 2400.0~2500.0 MHz | dB _{p-p} | - | 0.5 | 1.5 |
| Attenuation: | | | | |
| D.C ~ 960.0 MHz | dB | 35 | 53 | - |
| 960.0 ~ 1570.0 MHz | dB | 35 | 43 | - |
| 1570.0 ~ 1580.0 MHz | dB | 35 | 43 | - |
| 1580.0 ~ 1710.0 MHz | dB | 35 | 42 | - |
| 1710.0 ~ 1910.0 MHz | dB | 35 | 37 | - |
| 1910.0 ~ 1980.0 MHz | dB | 35 | 41 | - |
| 2110.0 ~ 2170.0 MHz | dB | 30 | 37 | - |
| 2640.0 ~ 3000.0 MHz | dB | 25 | 28 | - |
| 3000.0 ~ 4800.0 MHz | dB | 15 | 21 | - |
| 4800.0 ~ 5000.0 MHz | dB | 15 | 20 | - |
| 5000.0 ~ 6000.0 MHz | dB | 15 | 19 | - |
| VSWR within 2400.0~2500.0 MHz | - | - | 1.8 | 2.3 |

Notes: (1) With Matching Network (Ref. Testing Environment Circuit as shown below).

Package Dimensions



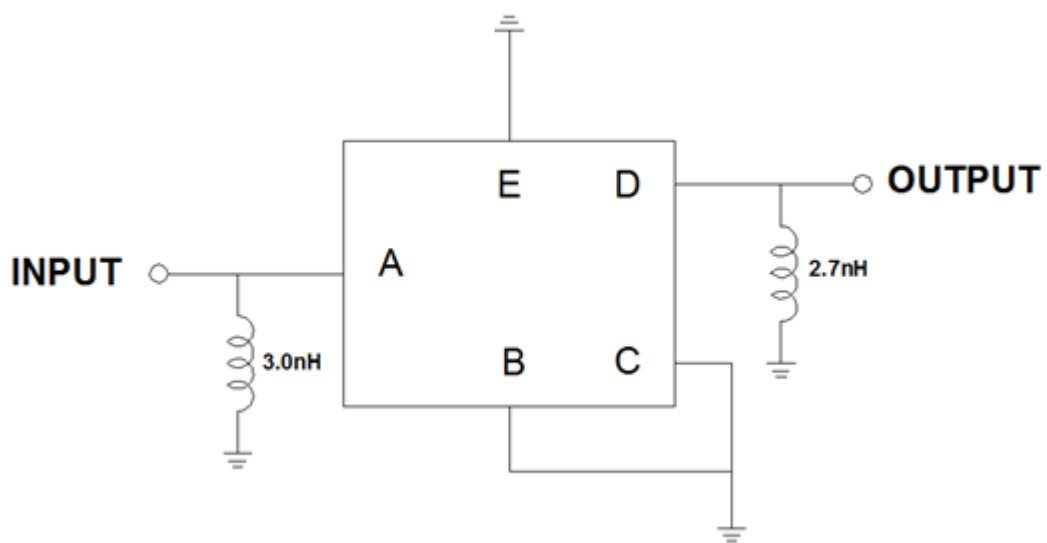
Marking Descriptions

| | |
|----------|------------------------|
| <u>X</u> | Series Number |
| X | Date Code (Year+Month) |

Pin Description

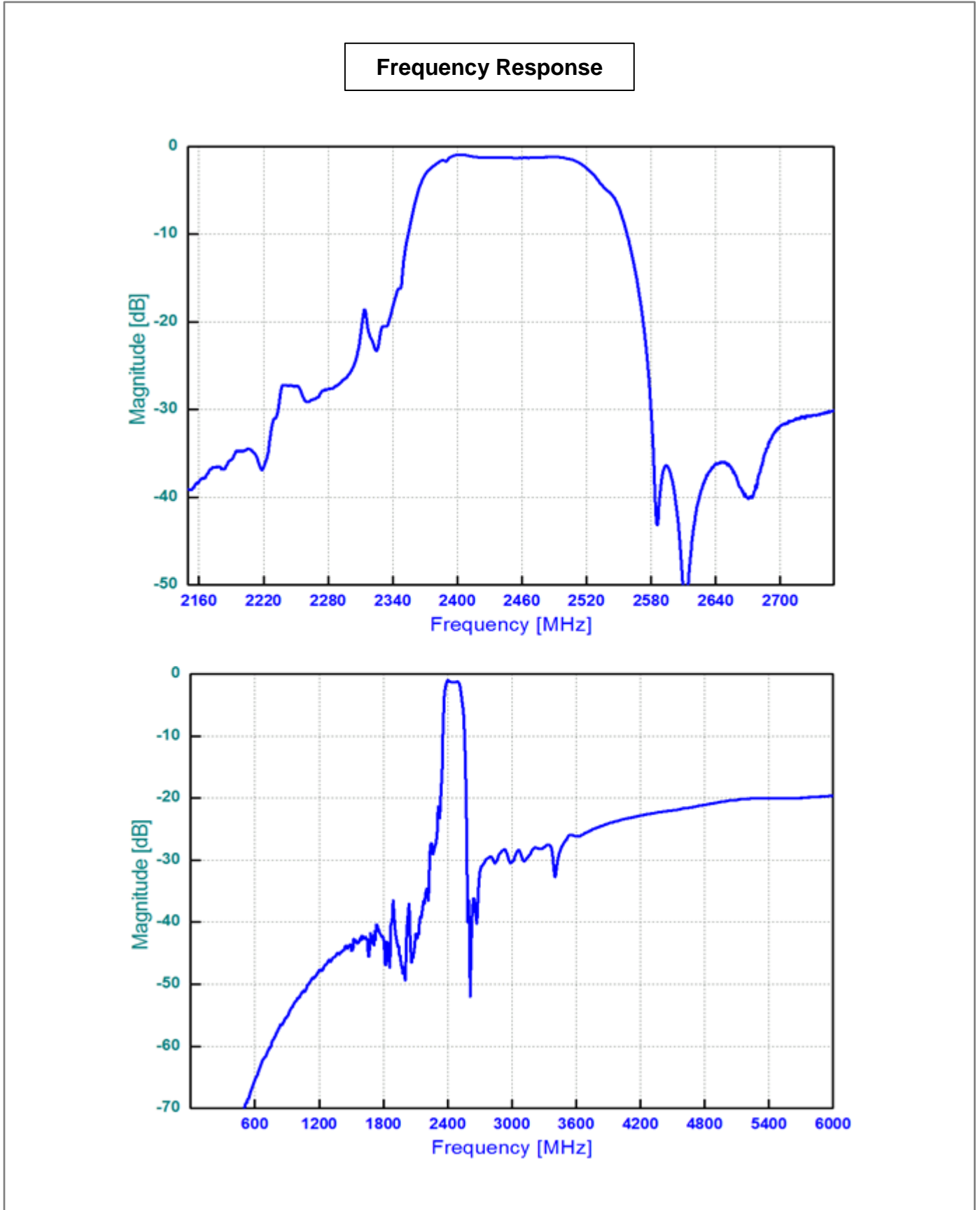
| | |
|---------|--------|
| B, C, E | Ground |
| A | Input |
| D | Output |

Testing Environment

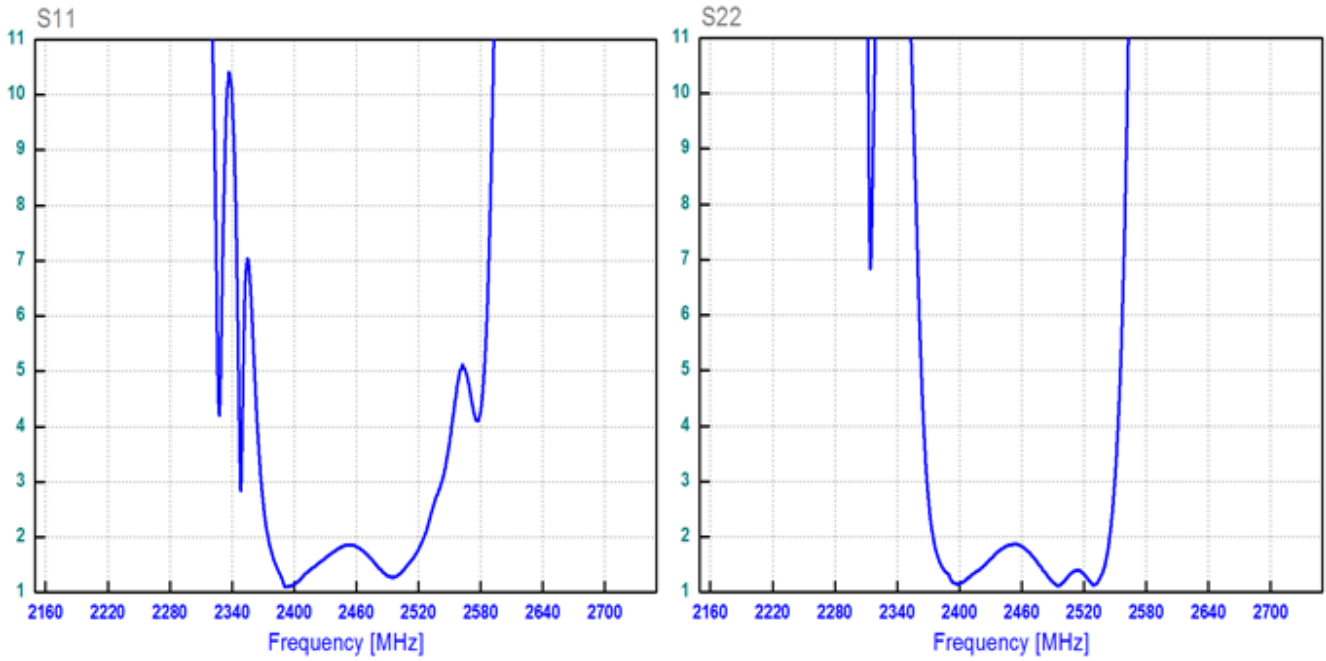


Source & Load Impedance: 50 Ω

Frequency Characteristics



VSWR



Smith Chart

