

- WCDMA, RF-Tx SAW Filter
- Revision 0: August 2012

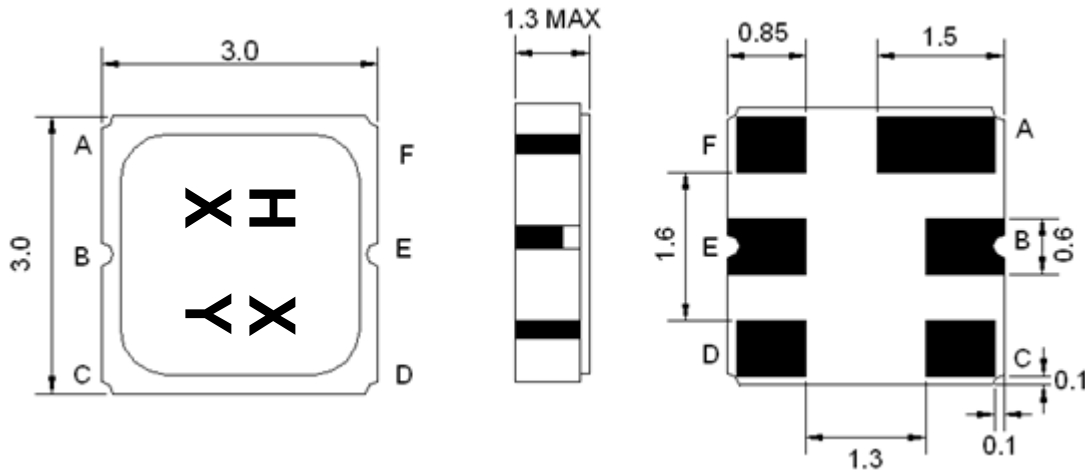
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -30 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 7.5 |
| Maximum Input Power | dBm | - | - | 15 |
| 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 1920 ~ 1980 MHz | dB | - | 2.2 | 3.5 |
| Amplitude Ripple within 1920 ~1980 MHz | dB _{p-p} | - | 1.1 | 2.2 |
| Attenuation: | | | | |
| D.C. ~ 1840 MHz | dB | 20 | 27 | - |
| 1840 ~ 1900 MHz | dB | 4.5 | 10 | - |
| 2000 ~ 2030 MHz | dB | 4.5 | 20 | - |
| 2030 ~ 2060 MHz | dB | 30 | 38 | - |
| 2060 ~ 5000 MHz | dB | 5 | 9 | - |
| VSWR within 1920 ~ 1980 MHz | - | - | 1.9 | 2.3 |

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

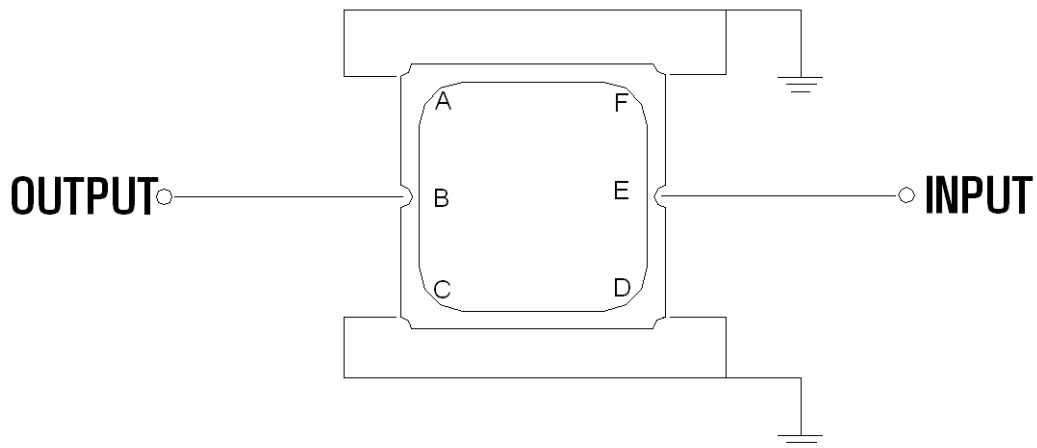
Package Dimensions



| Marking Descriptions | |
|----------------------|-------------------|
| H | WCDMA Application |
| X | Series Number |
| X | Date Code (Year) |
| Y | Date Code (Month) |

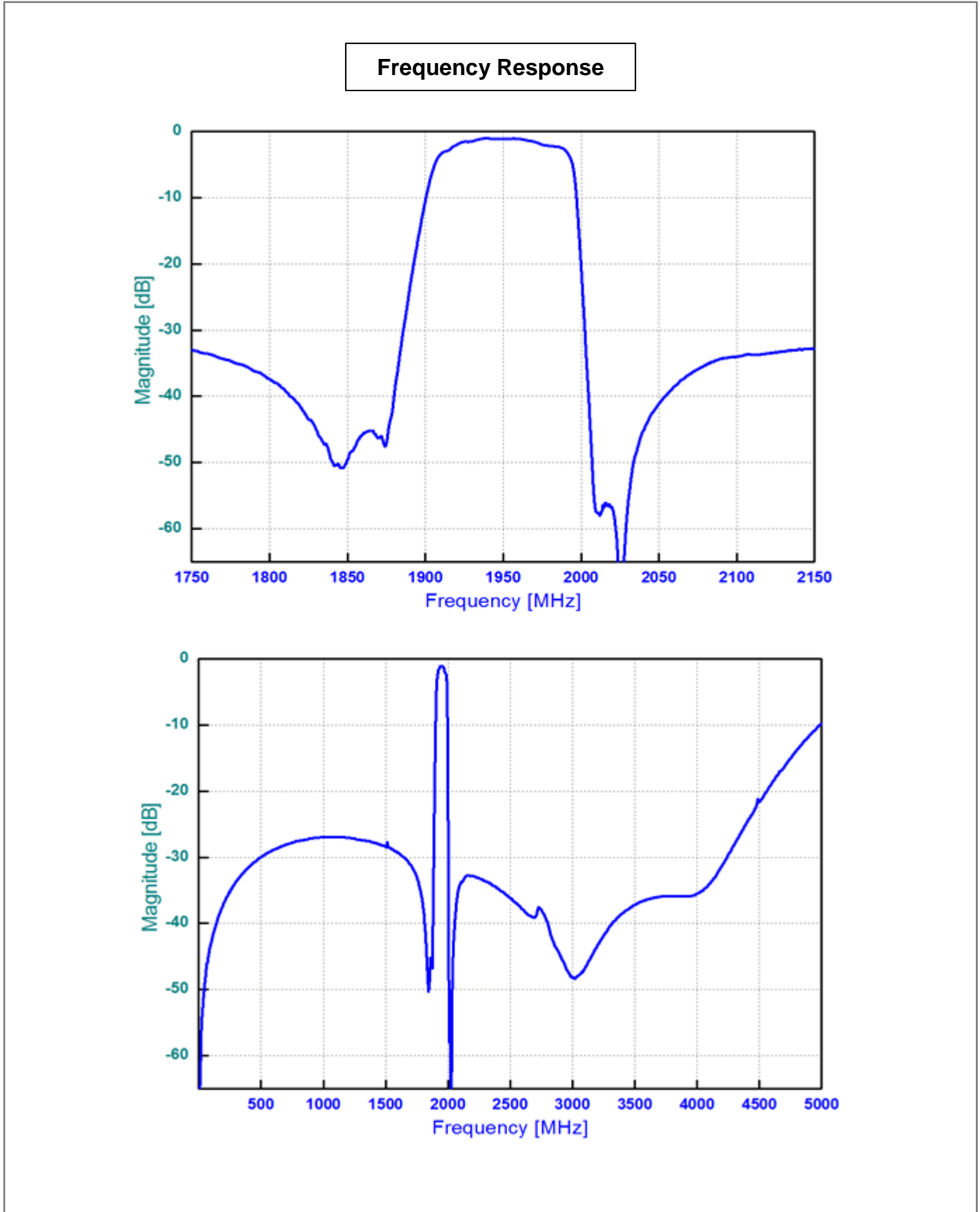
| Pin Description | |
|-----------------|-----------|
| A, C, D, F | Ground |
| E | In or Out |
| B | Out or In |

Testing Environment

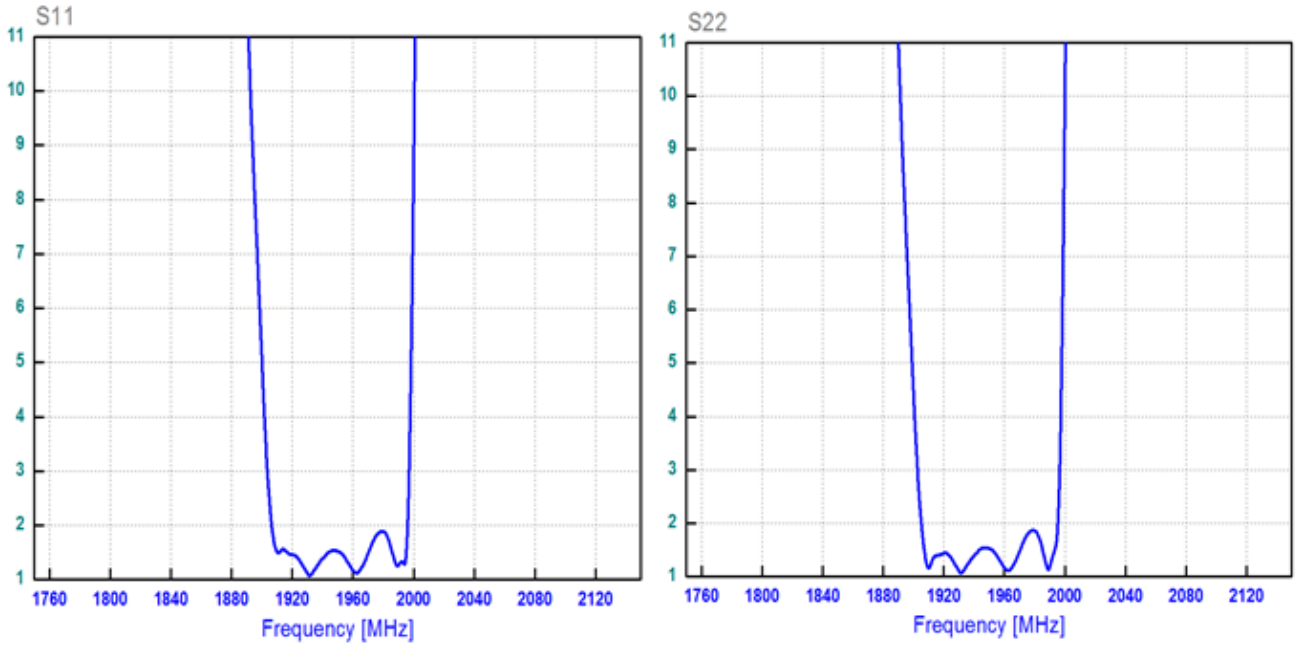


Source & Load Impedance: 50 Ω

Frequency Characteristics



VSWR



Smith Chart

