

- Wireless, RF SAW Filter
- Revision 0: January 2009

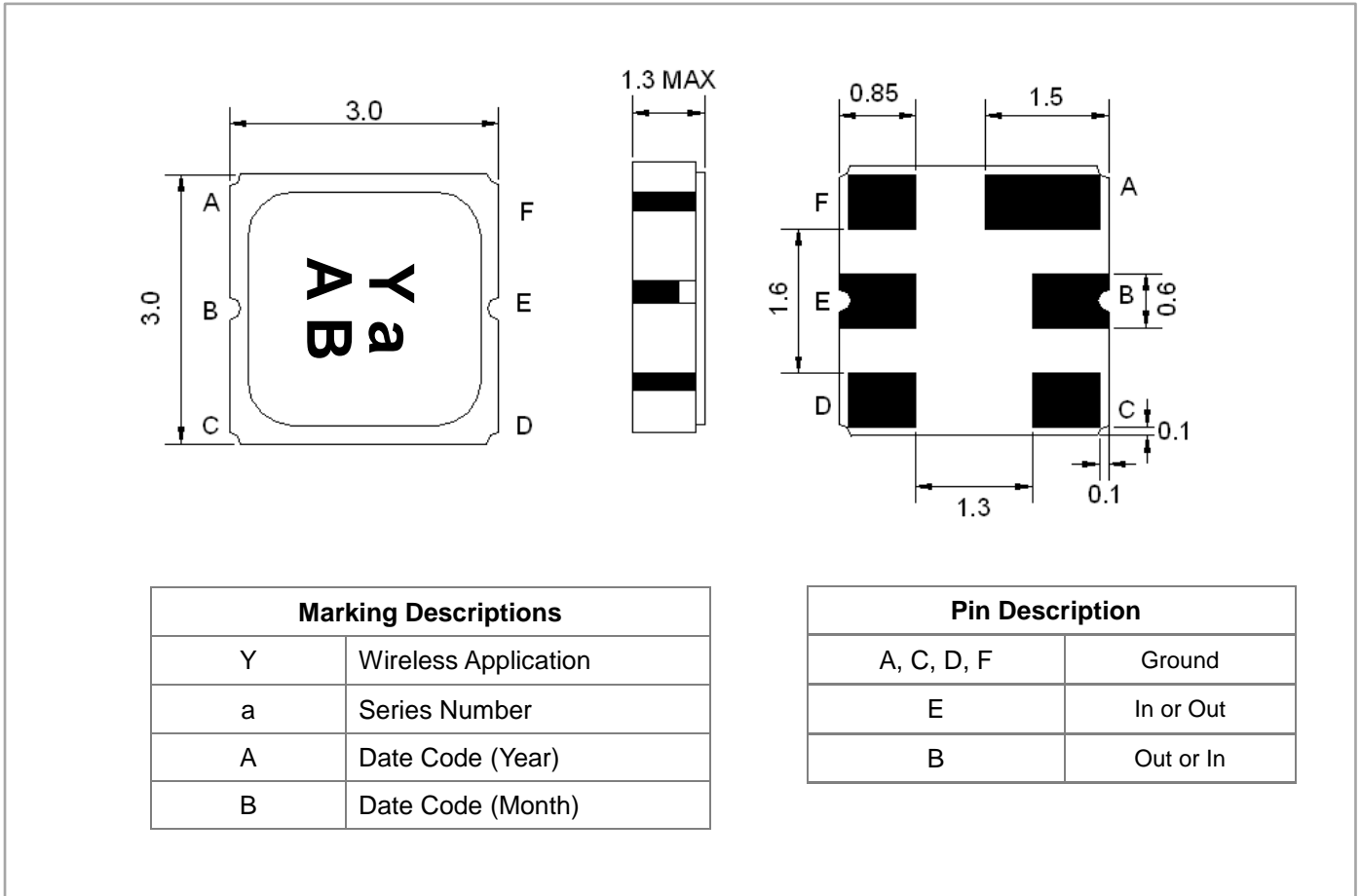
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -30 | - | +80 |
| 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 | M | | | |
| Length x Width | mm ² | - | 3.0 x 3.0 | - |
| Height | mm | - | - | 1.3 |

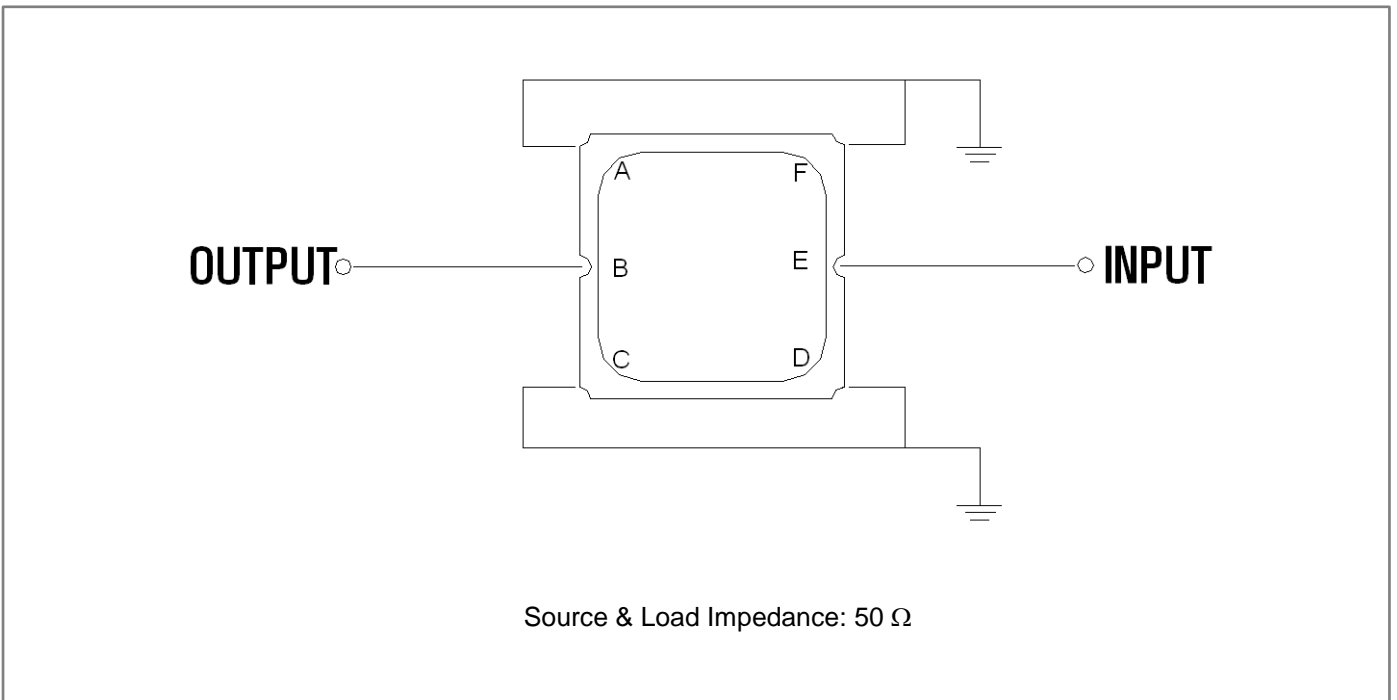
| ELECTRICAL SPECIFICATION | | | | |
|--|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo) | MHz | - | 827.5 | - |
| Insertion Loss within 820.0~835.0MHz | dB | - | 1.4 | 2.0 |
| Amplitude Ripple within 820.0~835.0MHz | dB _{p-p} | - | 0.5 | 1.0 |
| Attenuation: | | | | |
| D.C ~ 790.0 MHz | dB | 37 | 41 | - |
| 860.0 ~ 920.0 MHz | dB | 28 | 33 | - |
| 920.0 ~ 2000.0 MHz | dB | 30 | 35 | - |
| VSWR within 820.0~835.0MHz | - | - | 1.5 | 2.0 |
| D.C ~ 790.0 MHz | dB | 37 | 41 | - |

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

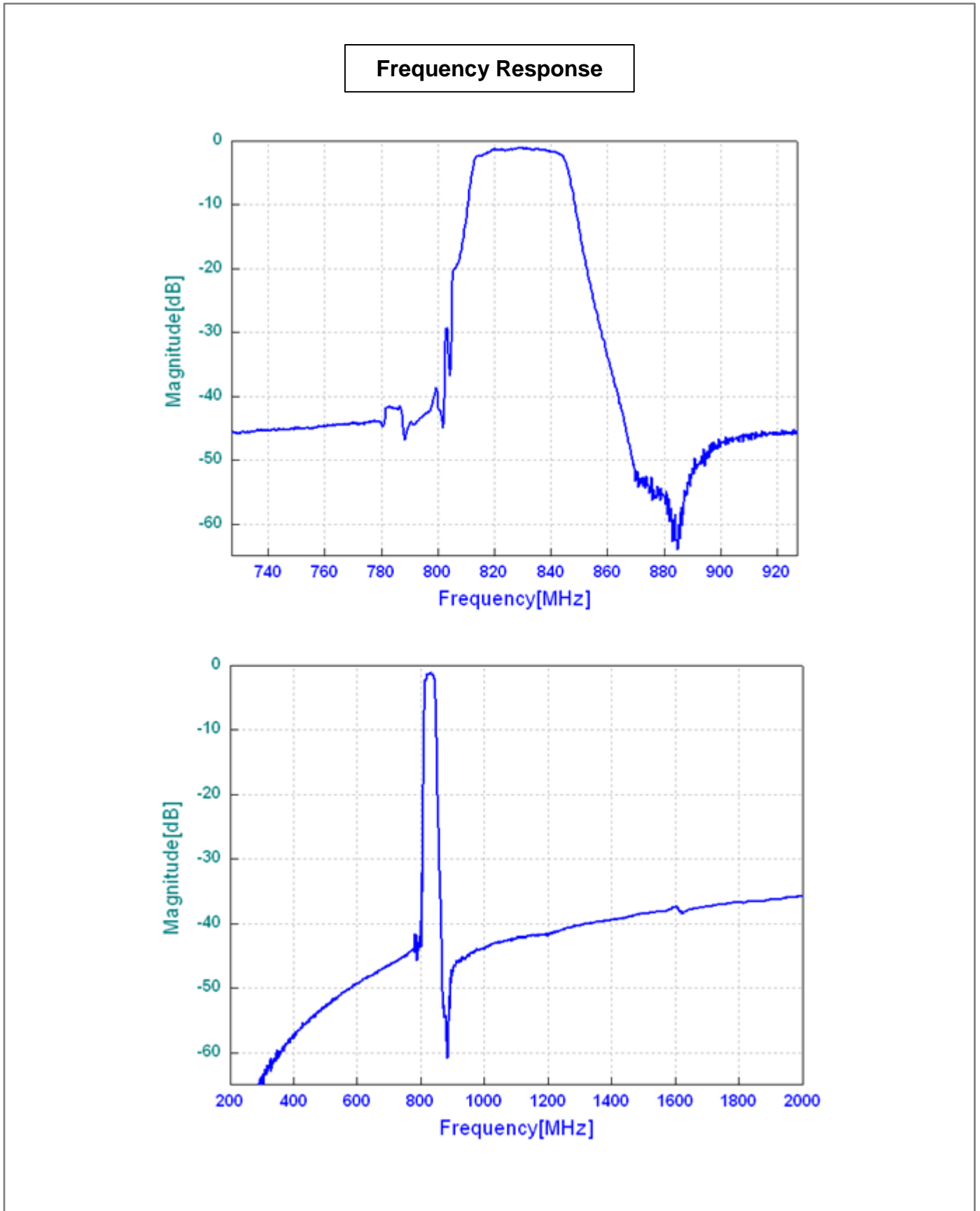
Package Dimensions



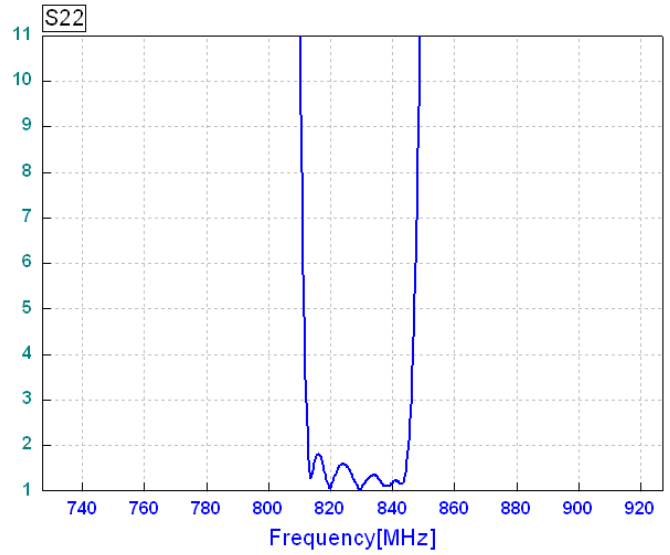
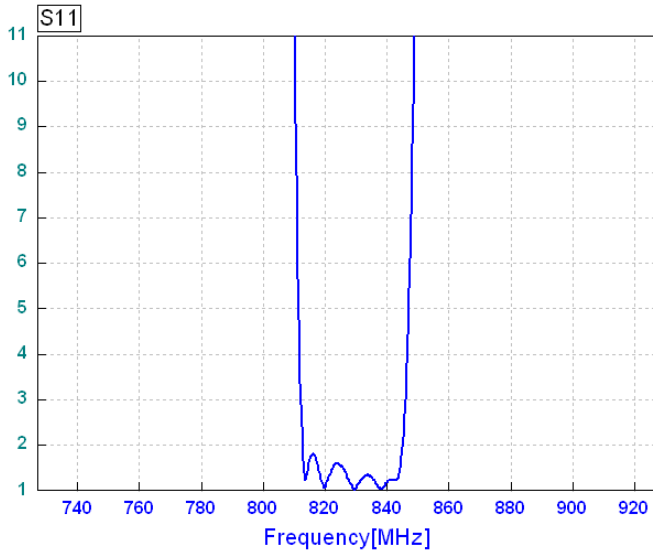
Testing Environment



Frequency Characteristics



VSWR



Smith Chart

