

- Wireless, RF SAW Filter
- Revision 0: October 2008

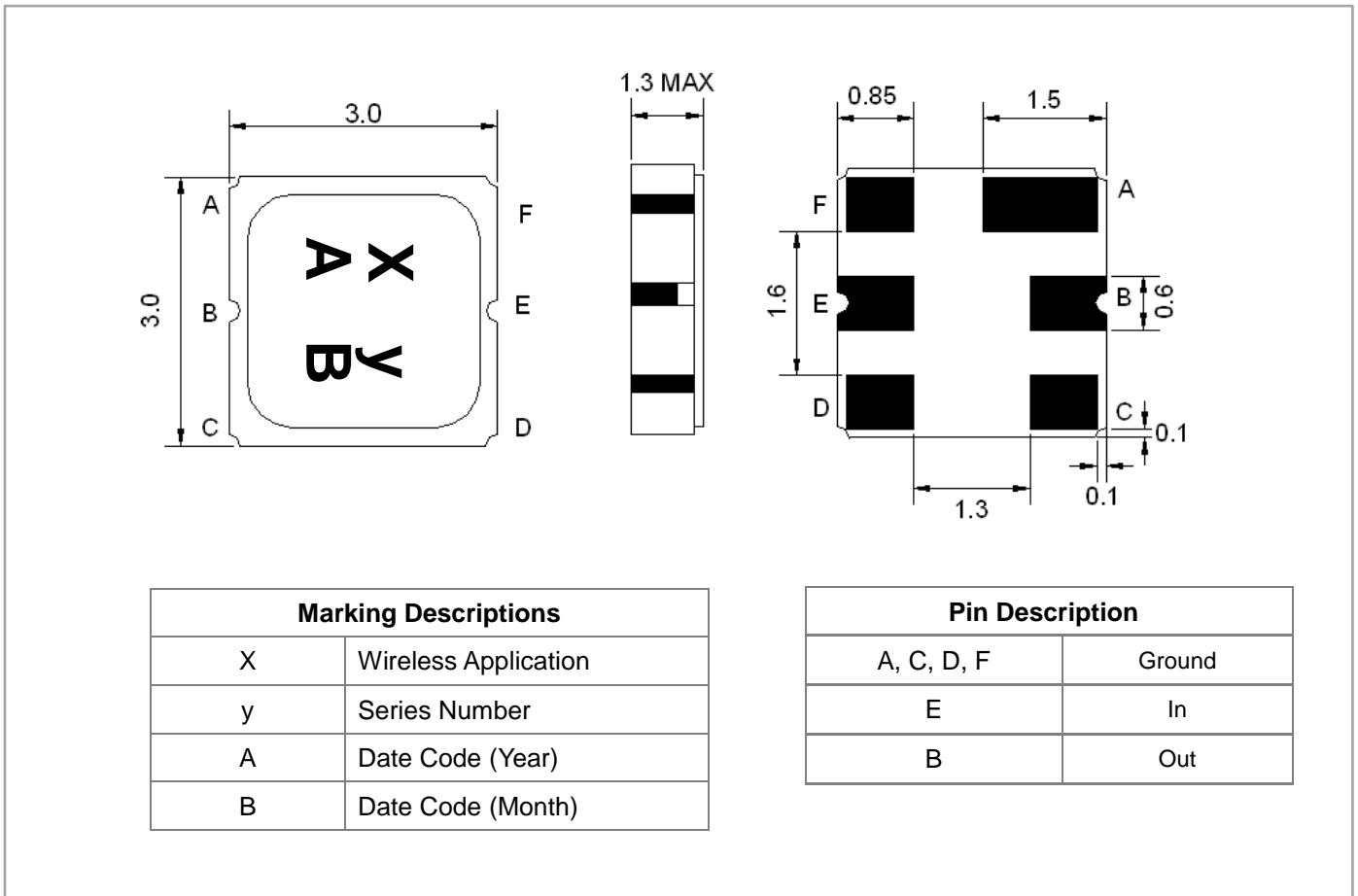
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -30 | - | +70 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 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 |

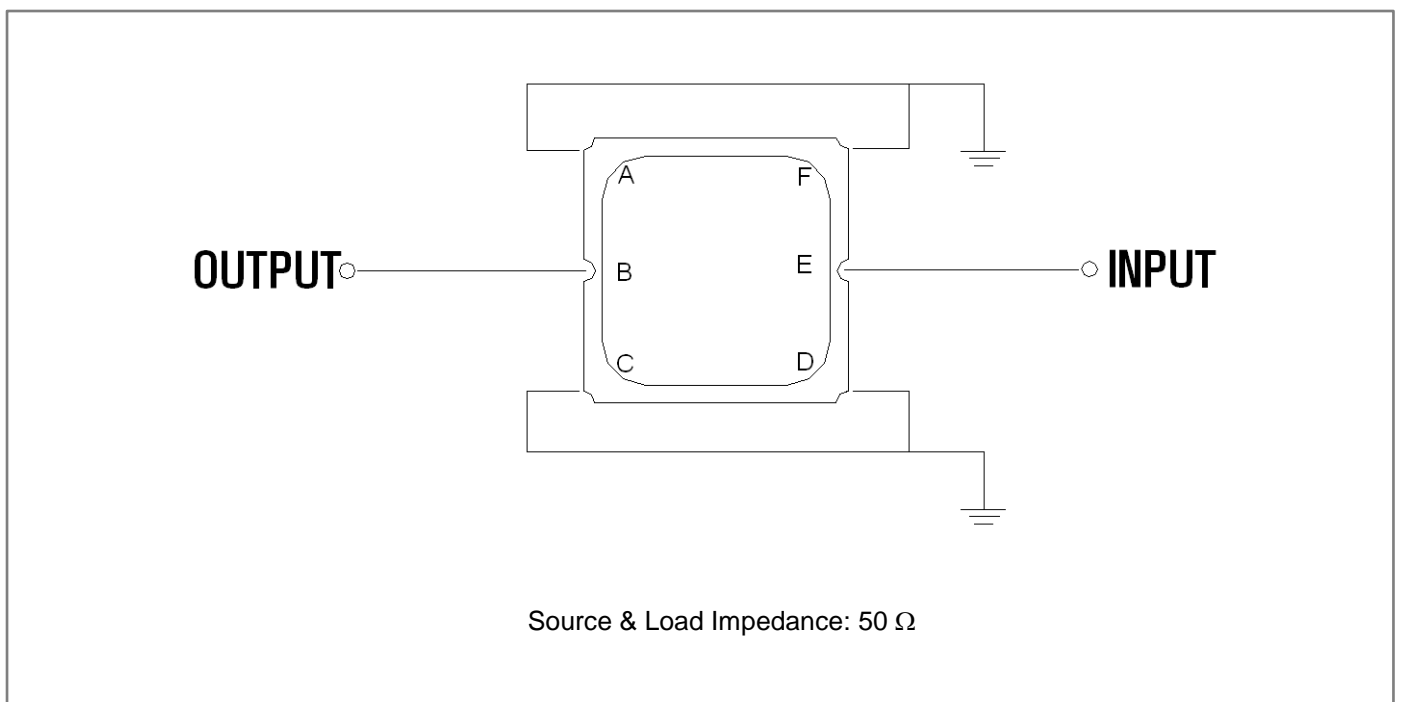
| ELECTRICAL SPECIFICATION | | | | |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo) | MHz | - | 853.5 | - |
| Insertion Loss within 851 ~ 856 MHz | dB | - | 2.0 | 3.5 |
| Group delay ripple within 851 ~ 856 MHz | ns _{p-p} | - | 12 | 40 |
| Amplitude Ripple within 851 ~ 856 MHz | dB _{p-p} | - | 0.2 | 1.0 |
| Attenuation: | | | | |
| D.C. ~ 806 MHz | dB | 45 | 55 | - |
| 806 ~ 811 MHz | dB | 45 | 55 | - |
| 905 ~ 979 MHz | dB | 35 | 45 | - |
| 1070 ~ 1089 MHz | dB | 47 | 51 | - |
| 1089 ~ 3000 MHz | dB | 27 | 32 | - |
| VSWR within 851 ~ 856 MHz | - | - | 1.6 | 2.0 |

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

Package Dimensions

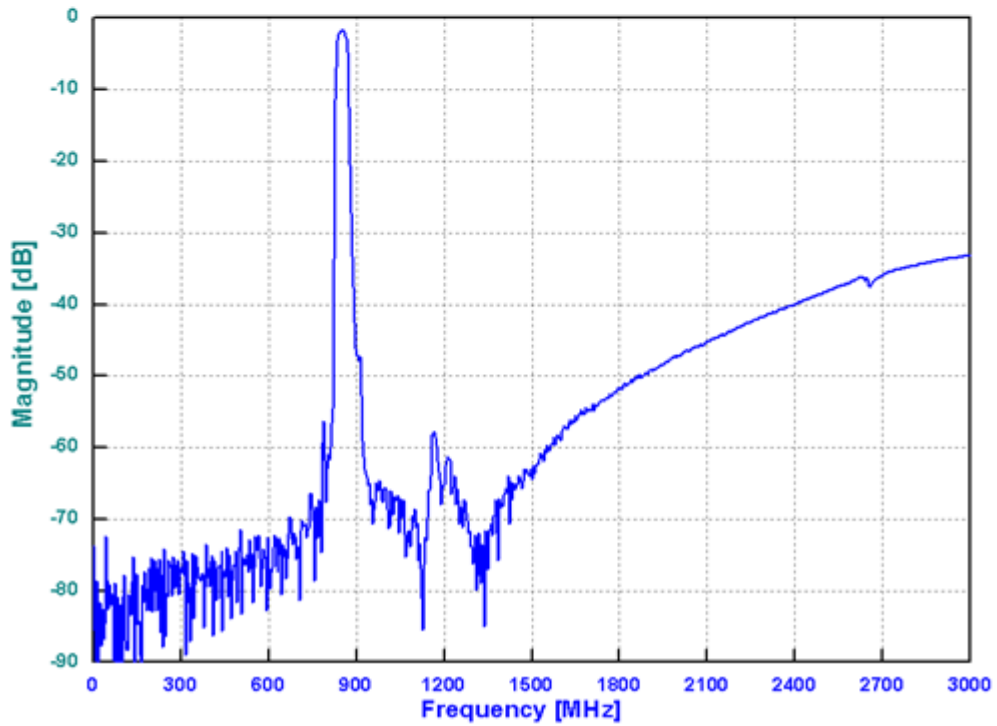
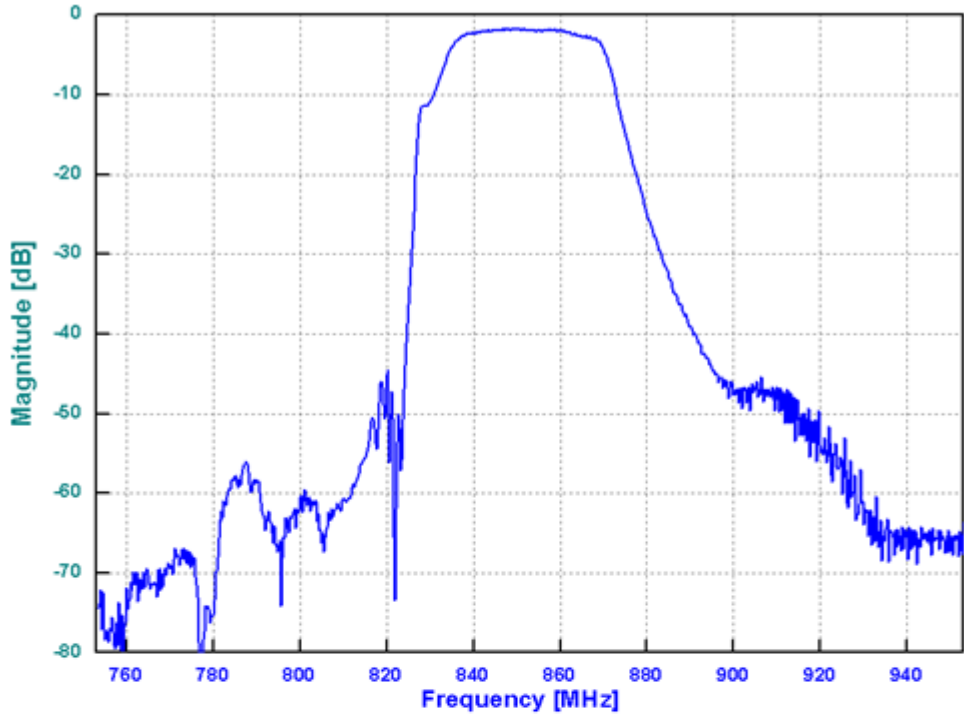


Testing Environment

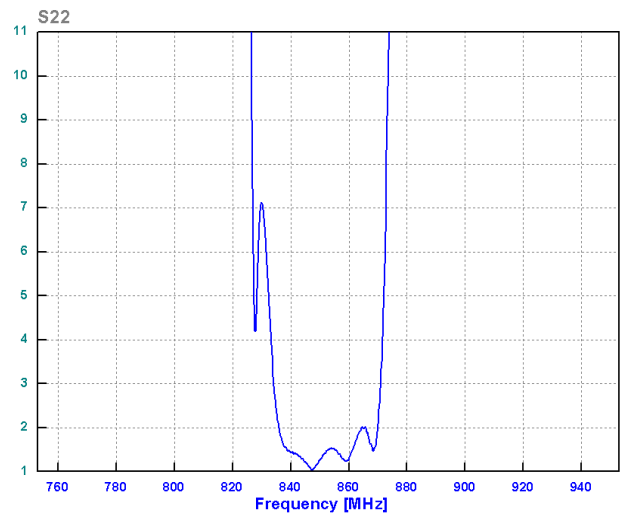
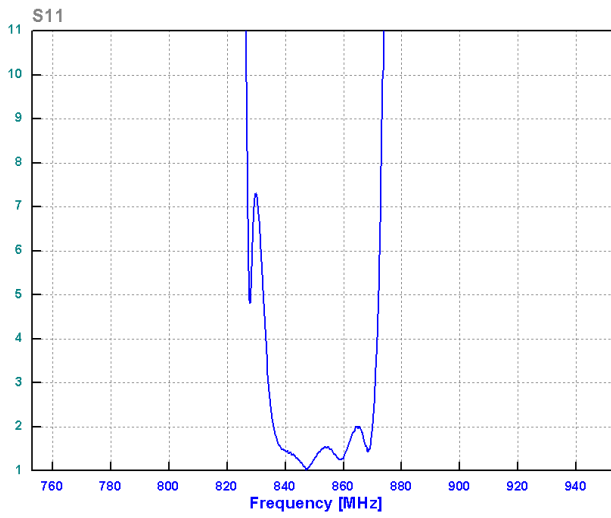


Frequency Characteristics

Frequency Response



VSWR



Smith Chart

