

- EGSM, RF-Tx SAW Filter
- Revision 1: July 2011

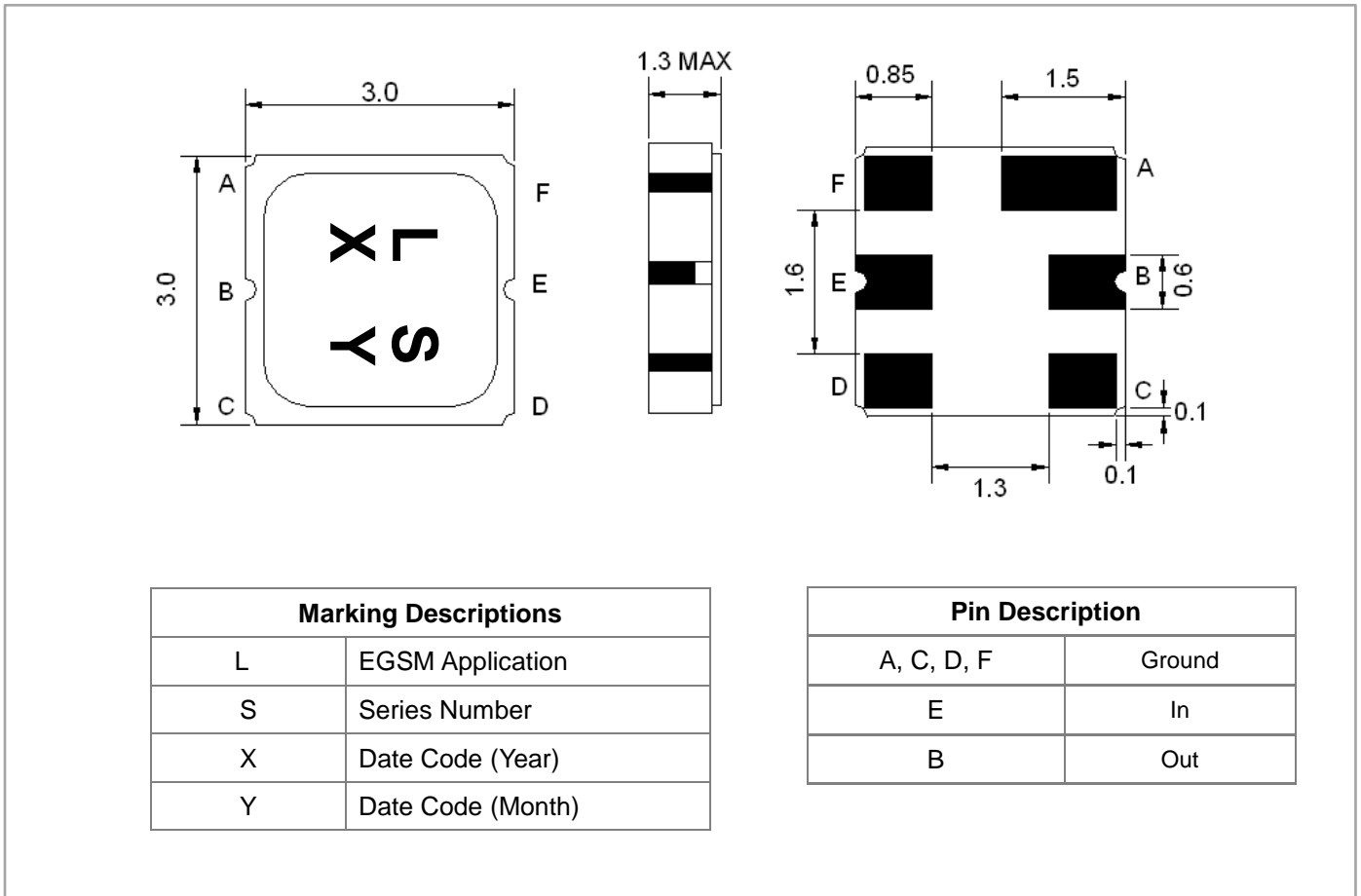
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -40 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 3 |
| 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 |

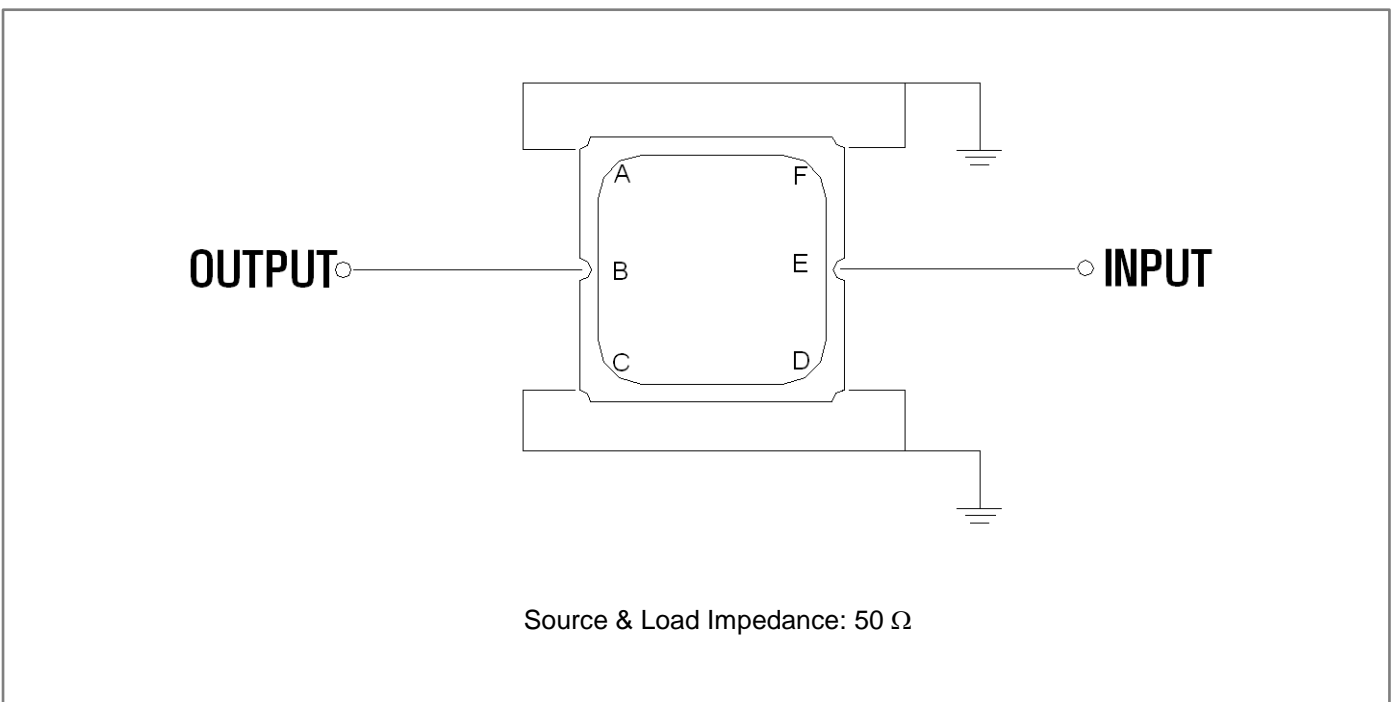
| ELECTRICAL SPECIFICATION | | | | |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo) | MHz | - | 897.5 | - |
| Insertion Loss within 880.0 ~ 915.0 MHz | dB | - | 2.5 | 3.5 |
| Amplitude Ripple within 880.0 ~ 915.0 MHz | dB _{p-p} | - | 1.2 | 2.0 |
| Attenuation: | | | | |
| D.C. ~ 840.0 MHz | dB | 17 | 23 | - |
| 840.0 ~ 860.0 MHz | dB | 17 | 29 | - |
| 860.0 ~ 865.0 MHz | dB | 10 | 45 | - |
| 925.0 ~ 935.0 MHz | dB | 4.5 | 15 | - |
| 935.0 ~ 1850.0 MHz | dB | 20 | 24 | - |
| 1850.0 ~ 3660.0 MHz | dB | 10 | 15 | - |
| VSWR within 880.0 ~ 915.0 MHz | - | - | 2.0 | 2.5 |

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

Package Dimensions

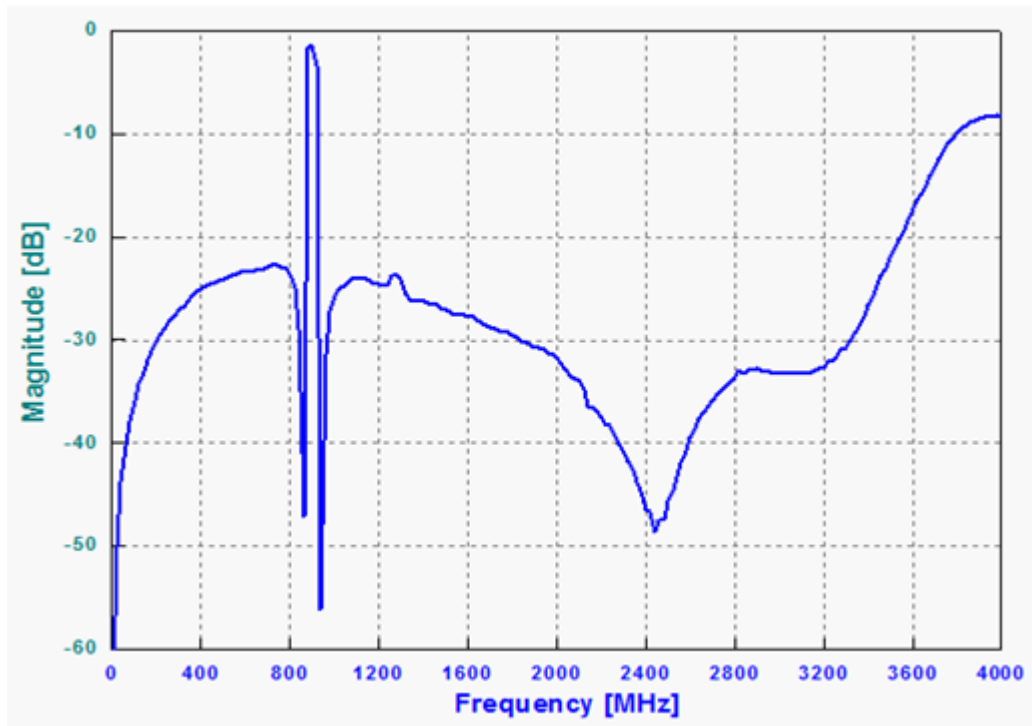
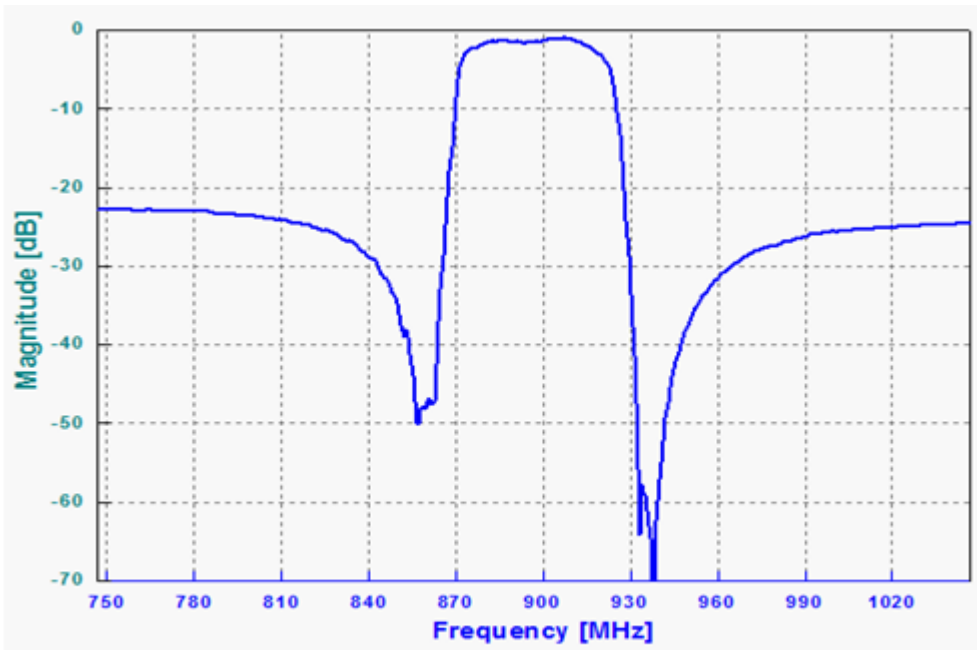


Testing Environment

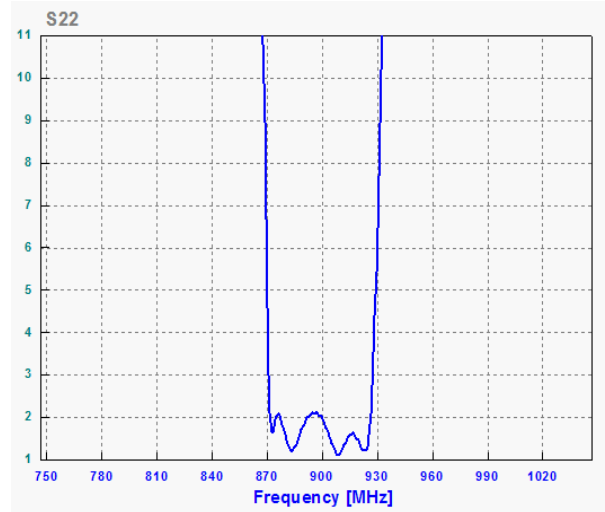
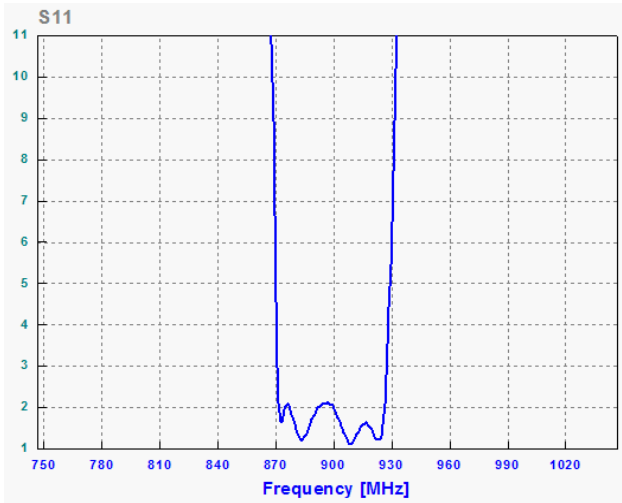


Frequency Characteristics

Frequency Response



VSWR



Smith Chart

