

- Wireless, RF SAW Filter
- Revision 0: July 2012

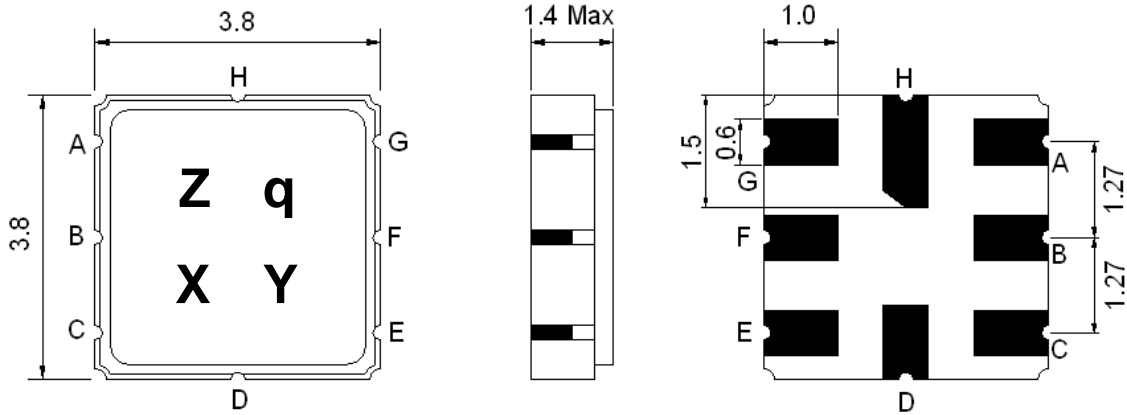
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -40 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 0 |
| Maximum Input Power | dBm | - | - | 33 |
| Source Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Load Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Package type & size | P1 | | | |
| Length x Width | mm ² | - | 3.8 x 3.8 | - |
| Height | mm | - | - | 1.4 |

| ELECTRICAL SPECIFICATION | | | | |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo) | MHz | - | 460.0 | - |
| Insertion Loss within 449.2 ~ 470.8 MHz | dB | - | 2.6 | 4.0 |
| Amplitude Ripple within 449.2 ~ 470.8 MHz | dB _{p-p} | - | 0.6 | 2.0 |
| Attenuation: | | | | |
| Fo-100.0 ~ Fo-40.8 MHz | dB | 40 | 53 | - |
| Fo+40.0 ~ Fo+100.0 MHz | dB | 20 | 27 | - |
| Return Loss within 449.2~470.8 MHz | dB | 10 | 15 | - |

Notes: (1) No Matching Network

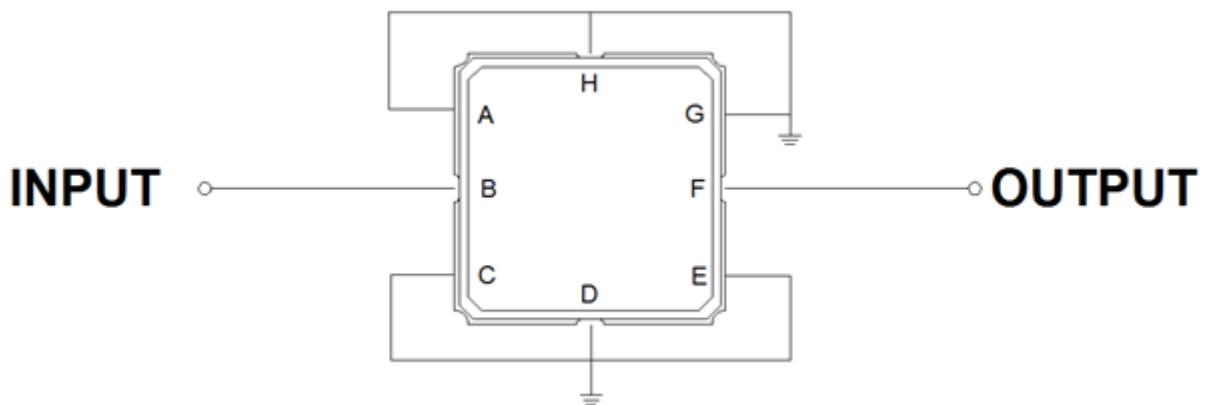
Package Dimensions



| Marking Descriptions | |
|----------------------|----------------------|
| Z | Wireless Application |
| q | Series Number |
| X | Date Code (Year) |
| Y | Date Code (Month) |

| Pin Description | |
|------------------|--------|
| A, C, D, E, G, H | Ground |
| B | Input |
| F | Output |

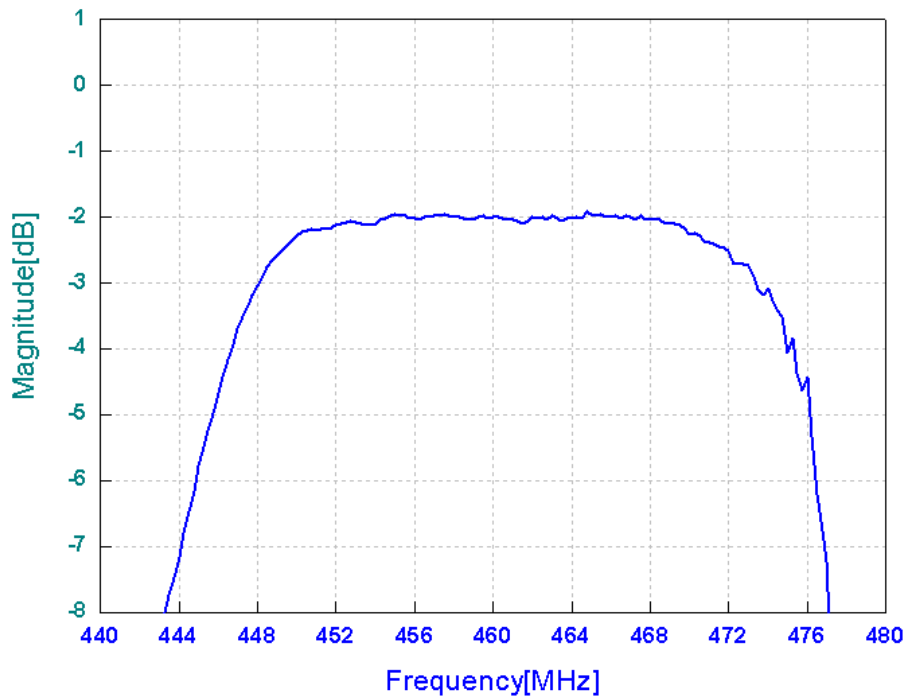
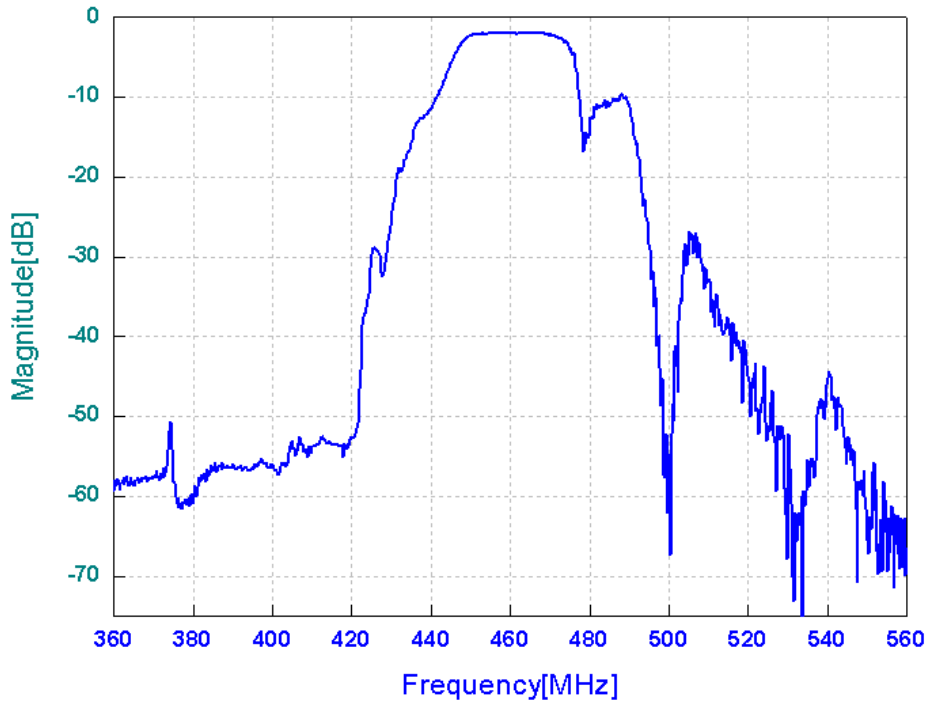
Testing Environment



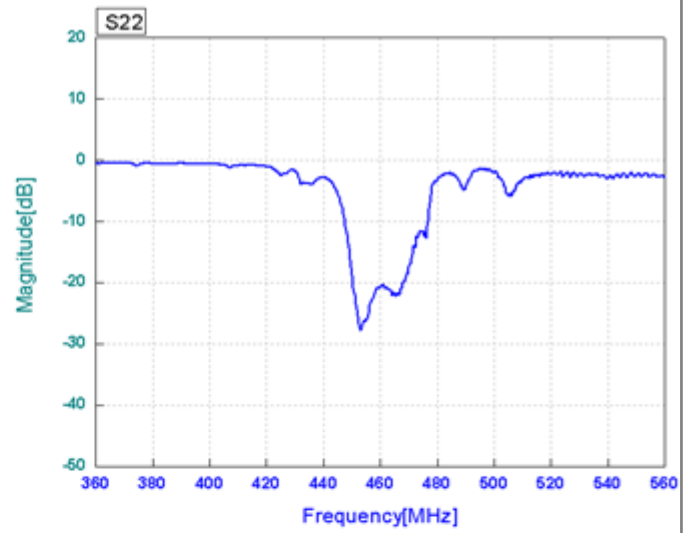
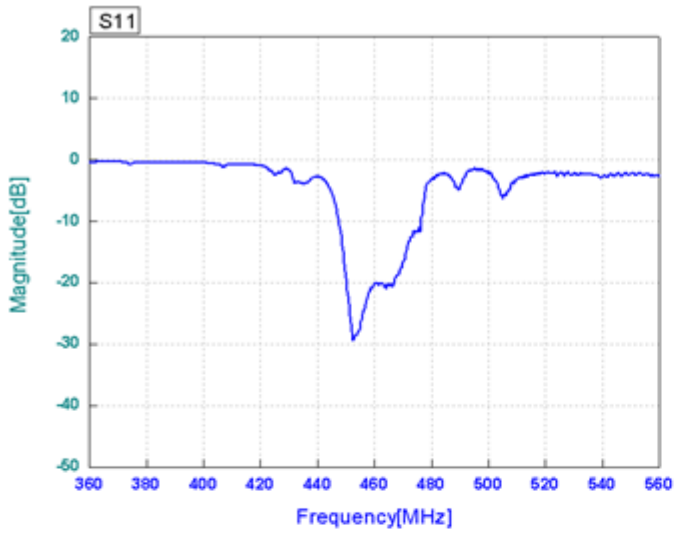
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



Return Loss



Smith Chart

