

- Wireless, RF SAW Filter
- Revision 0:

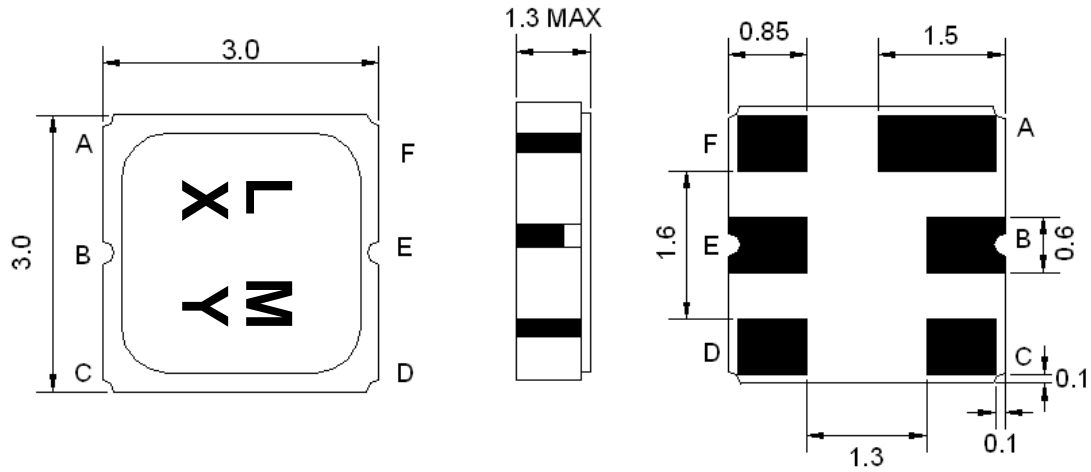
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -30 | - | +65 |
| 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 | - | 770.0 | - |
| Insertion Loss within 760 ~ 780 MHz | dB | - | 2.2 | 3.0 |
| Amplitude Ripple within 760 ~ 780 MHz | dB _{p-p} | - | 0.7 | 1.5 |
| Attenuation: | | | | |
| 560.0 ~ 730.0 MHz | dB | 50 | 58 | - |
| 824.0 ~ 849.0 MHz | dB | 38 | 45 | - |
| 849.0 ~ 970.0 MHz | dB | 50 | 58 | - |
| VSWR within 760 ~ 780 MHz | - | - | 1.45 | 2.0 |

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

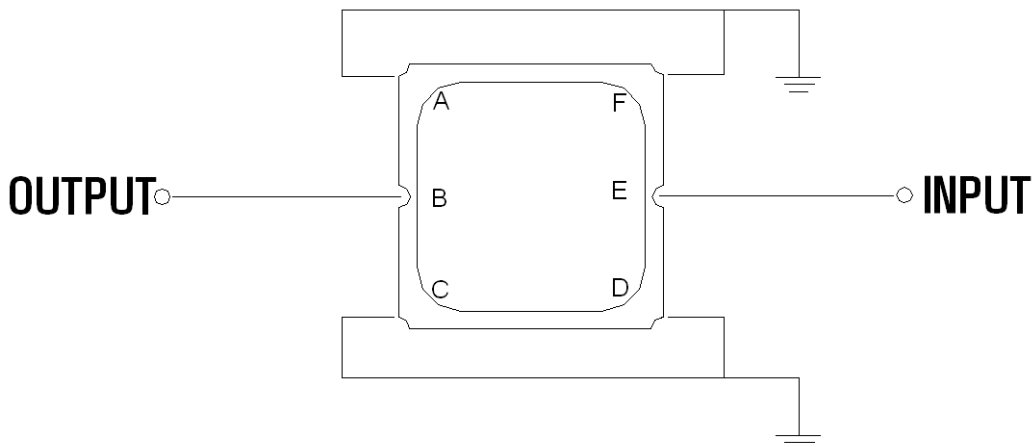
Package Dimensions



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

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

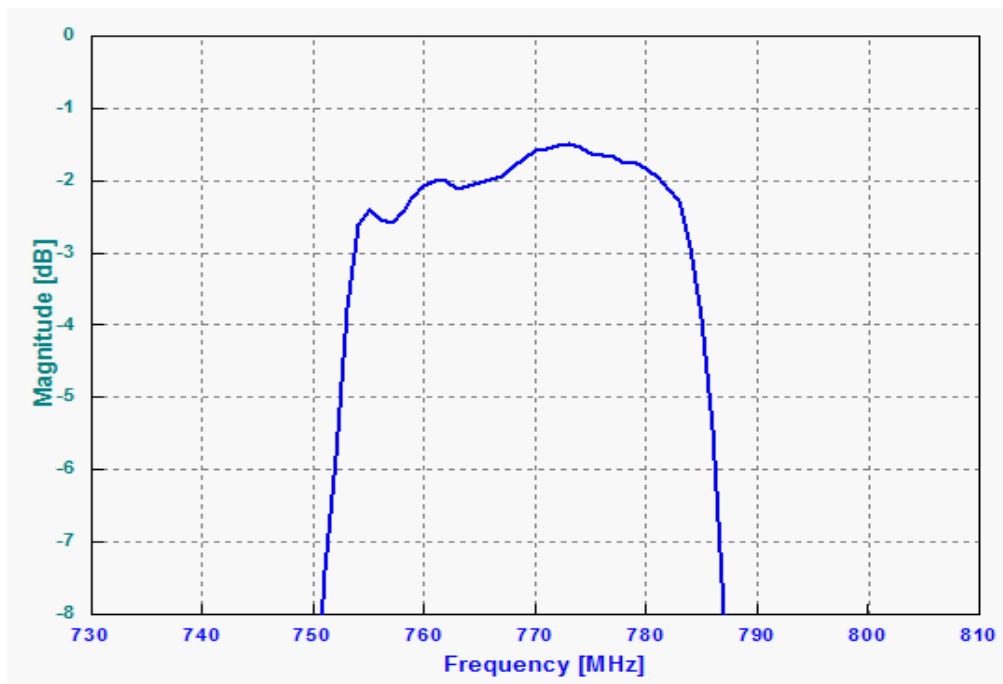
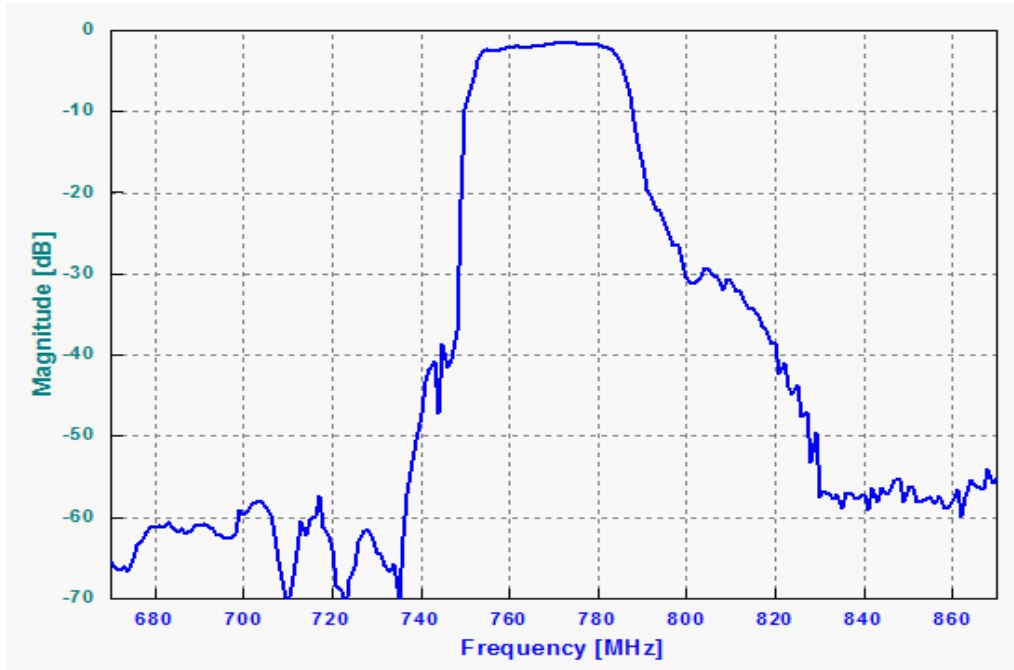
Testing Environment



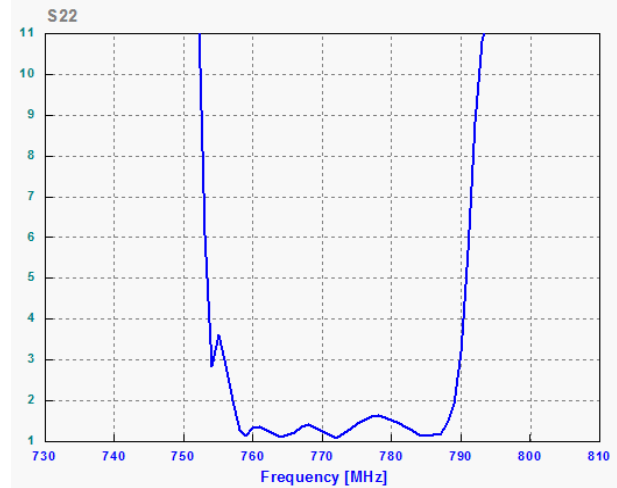
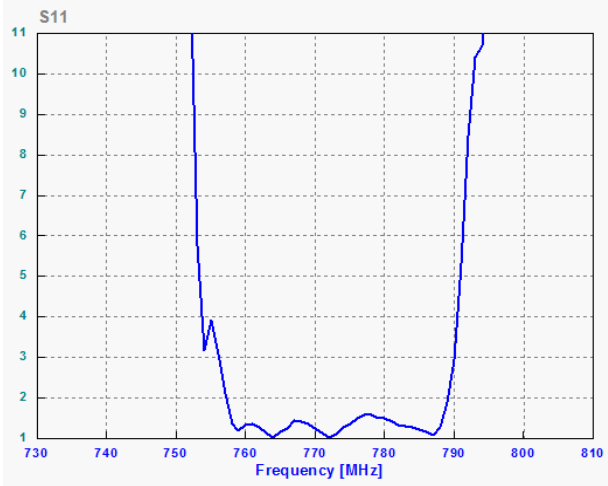
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

