



Total Solution Provider in Saw Device

SA2350CM1

Wireless, RF SAW Filter
Revision 2: May 2011



- Electrical Characteristics
 - Package Dimensions
 - Testing Environment
 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

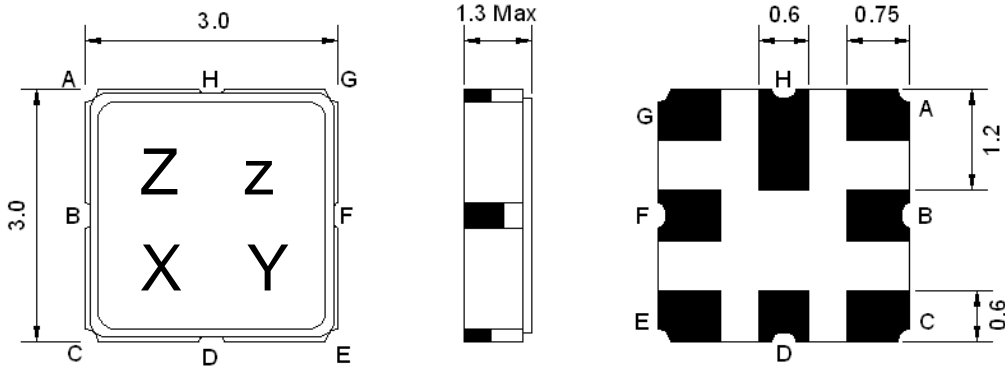
| Parameters Description | Unit | Minimum | Typical | Maximum |
|--|------|---------|-----------|---------|
| Operating Temperature Range | °C | -20 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 0 |
| Maximum Input Power | dBm | - | - | 10 |
| Source Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Load Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Package type & size | M1 | | | |
| Length x Width | - | - | 3.0 x 3.0 | - |
| Height | mm | - | - | 1.3 |

Electrical Specification

| Parameters Description | Unit | Minimum | Typical | Maximum |
|---|-------------------|---------|---------|---------|
| Center Frequency (Fo) | MHz | - | 2350.0 | - |
| Insertion Loss within 2300.0 ~ 2400.0 MHz | dB | - | 2.5 | 3.8 |
| Amplitude Ripple within 2300.0 ~ 2400.0 MHz | dB _{p-p} | - | 1.2 | 2.5 |
| Attenuation: | | | | |
| 1963.0 ~ 2110.0 MHz | dB | 30 | 34 | - |
| 2110.0 ~ 2232.0 MHz | dB | 25 | 32 | - |
| 2232.0 ~ 2260.0 MHz | dB | 7 | 11 | - |
| 2440.0 ~ 2500.0 MHz | dB | 10 | 20 | - |
| 2500.0 ~ 2690.0 MHz | dB | 30 | 38 | - |
| Return Loss within 2300.0 ~ 2400.0 MHz | dB | 7 | 9 | - |

Notes : (1) With Matching Network

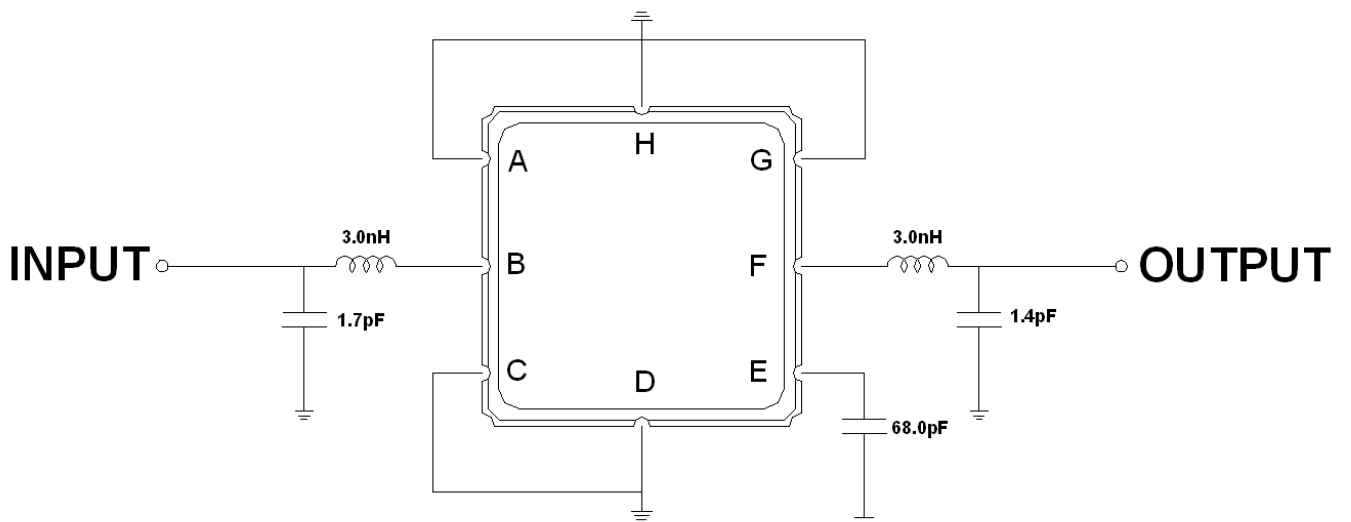
Package Dimensions



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

| Pin Description | |
|-----------------|---------------------------|
| A, C, D, G, H | Ground |
| B | In |
| F | Out |
| E | Parallel Capacitor Ground |

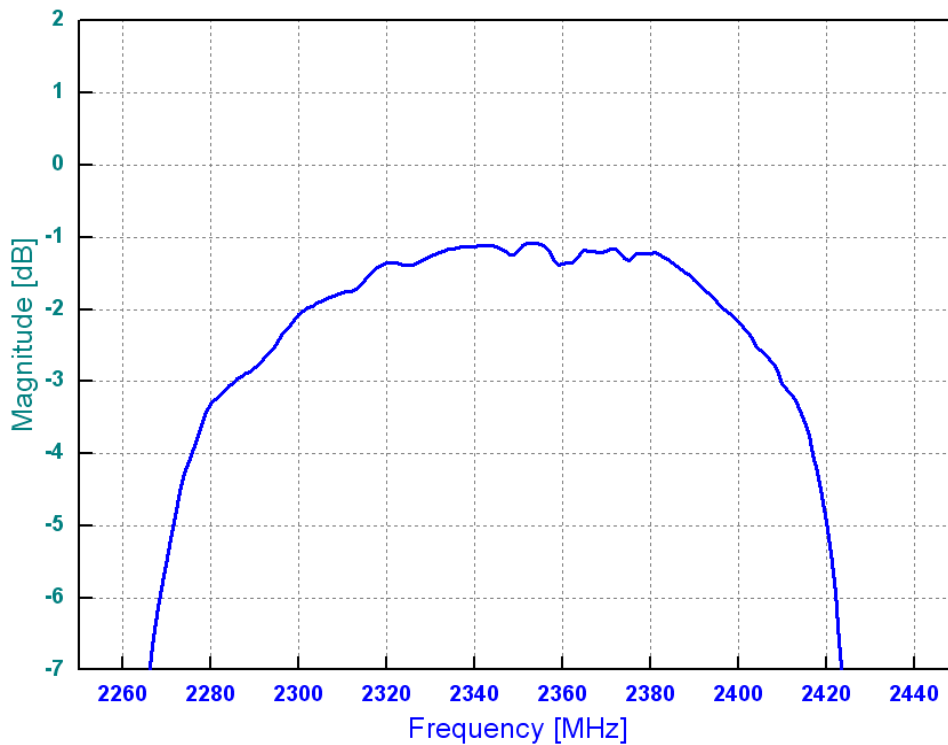
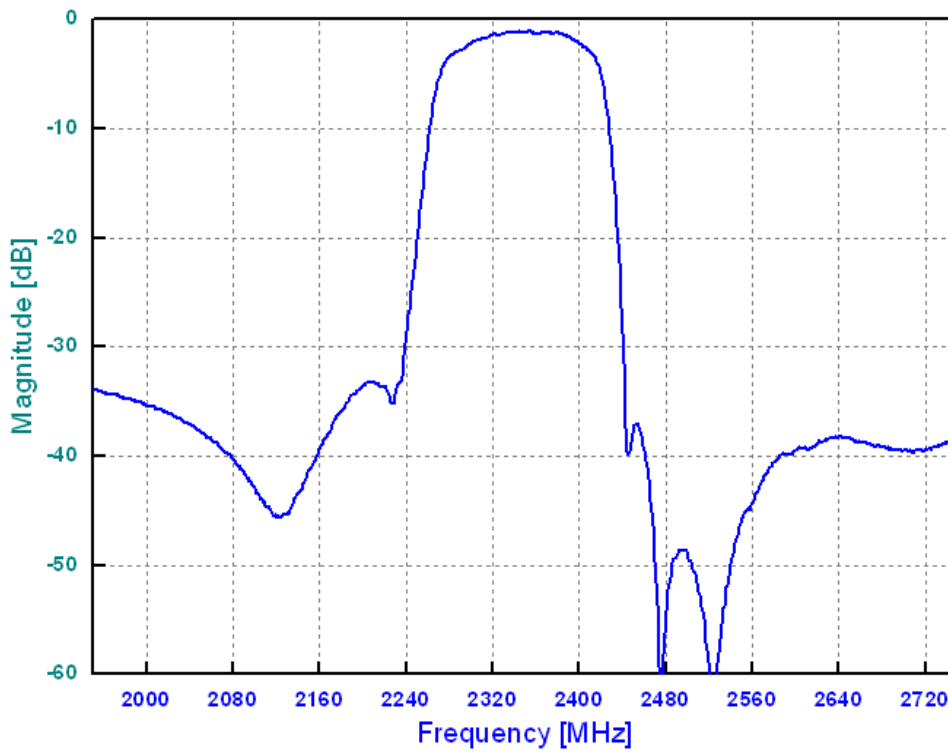
Testing Environment



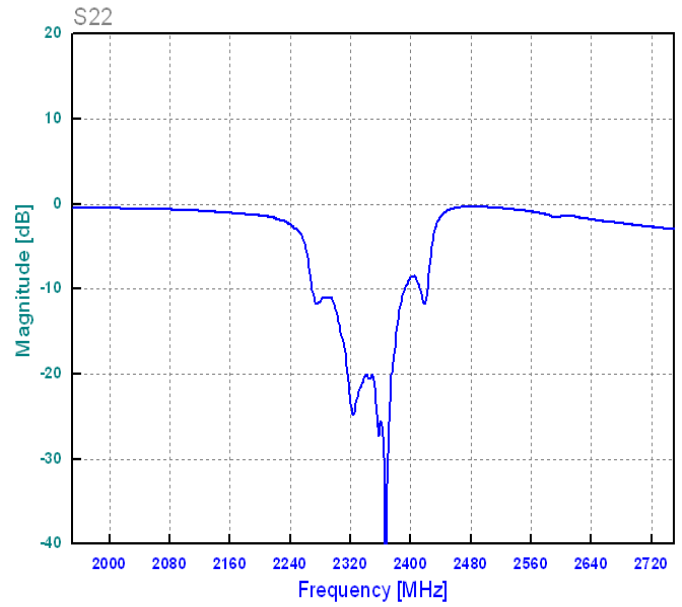
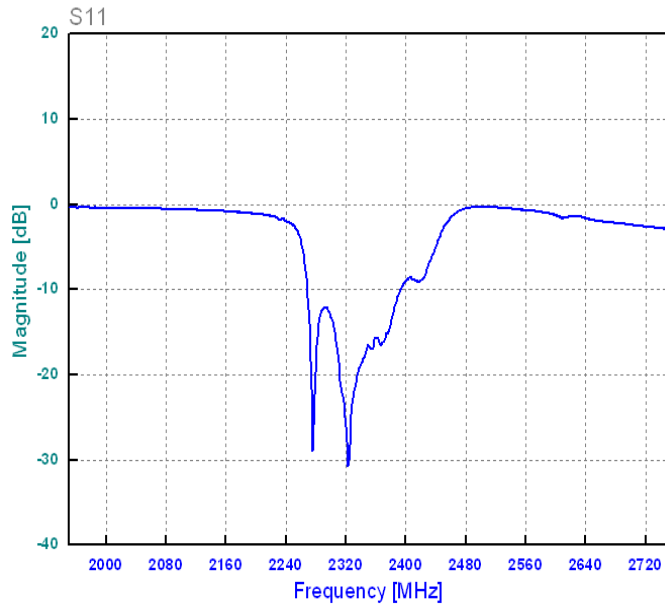
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



Return Loss



Smith Chart

