



Total Solution Provider in Saw Device

SA2540AM

Wireless, RF SAW Filter
Revision 0: May 2008



- Electrical Characteristics
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 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

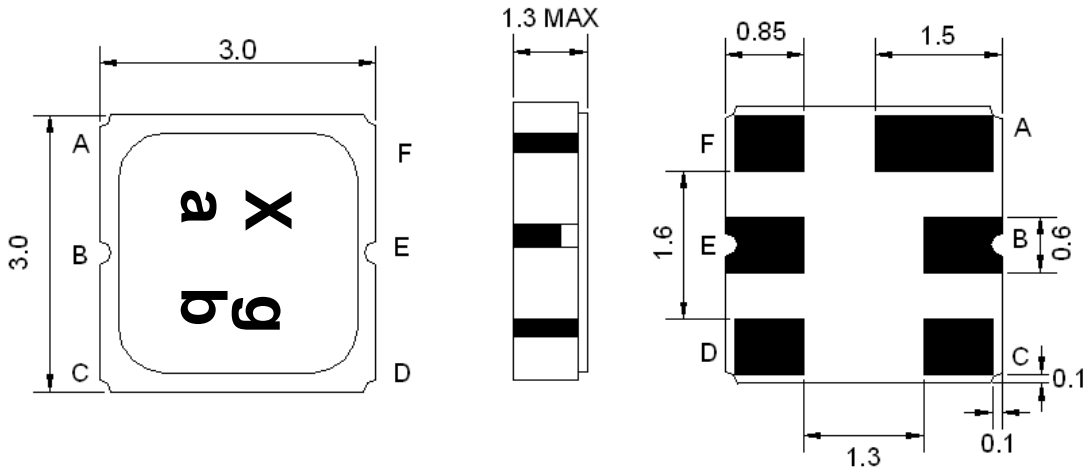
| Parameters Description | Unit | Minimum | Typical | Maximum |
|--|-----------------|---------|-----------|---------|
| Operating Temperature Range | °C | -20 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 5 |
| Maximum Input Power | dBm | - | - | 25 |
| 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 | - | 2540.0 | - |
| Insertion Loss within 2520.0 ~ 2560.0 MHz | dB | - | 2.1 | 2.5 |
| Amplitude Ripple within 2520.0 ~ 2560.0MHz | dB _{p-p} | - | 1.0 | 1.5 |
| Attenuation: | | | | |
| 0.3 ~ 2455.0 MHz | dB | 10 | 20 | - |
| 2455.0 ~ 2480.0 MHz | dB | 2.5 | 5 | - |
| 2630.0 ~ 3500.0 MHz | dB | 22 | 27 | - |

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

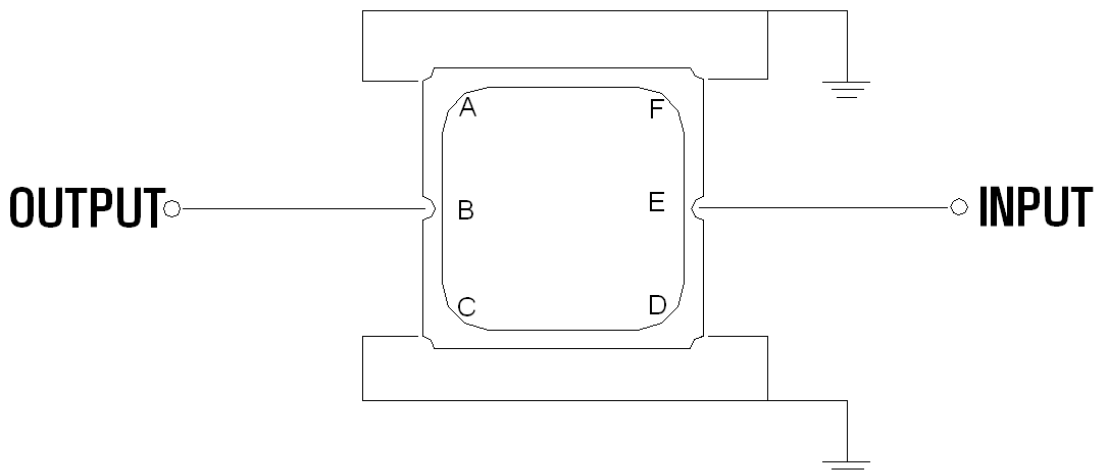
Package Dimensions



| Marking Descriptions | |
|----------------------|----------------------|
| X | Wireless Application |
| g | Series Number |
| a | Date Code(Year) |
| b | 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

