



Total Solution Provider in Saw Device

SA411BM

CDMA 450 L-Band, RF-Tx SAW Filter
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- Electrical Characteristics
 - Package Dimensions
 - Testing Environment
 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

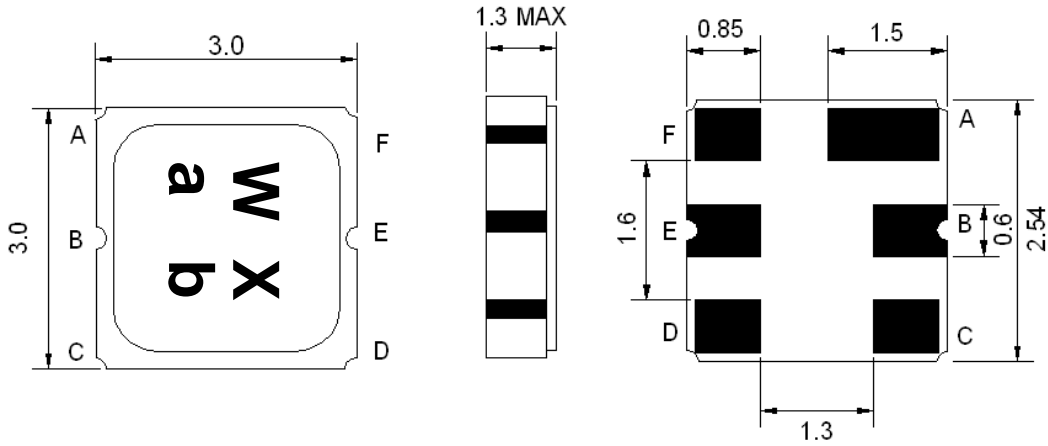
| Parameters Description | Unit | Minimum | Typical | Maximum |
|--|-----------------|---------|-----------|---------|
| Operating Temperature Range | °C | -30 | - | +80 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 0 |
| Maximum Input Power | dBm | - | - | 30 |
| 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 | - | 411.5 | - |
| Insertion Loss in 409.0 ~ 414.0 MHz | dB | - | 2.5 | 2.8 |
| Stop Band Attenuation: | | | | |
| 0.3 ~ 400.0 MHz | dB | 23 | 26 | - |
| 419.0 ~ 424.0 MHz | dB | 30 | 48 | - |
| 423.5 ~ 1700.0 MHz | dB | 20 | 27 | - |
| 1700.0 ~ 2000.0 MHz | dB | 15 | 22 | - |
| VSWR in 409.0 ~ 414.0 MHz | - | - | 1.3 | 2.0 |

Notes : (1) No Matching Network .

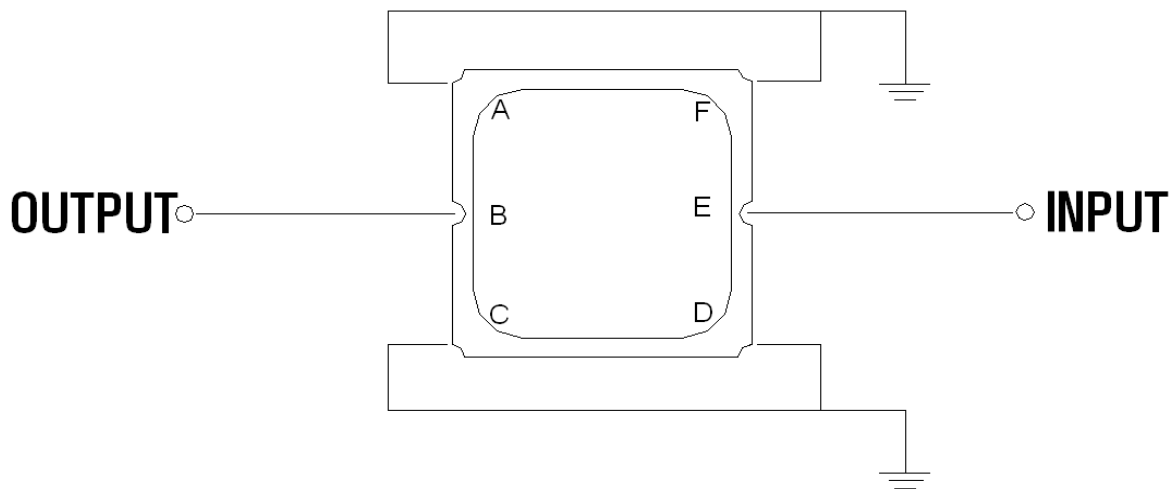
Package Dimensions



| Marking Descriptions | |
|----------------------|---------------------|
| W | CDMA450 Application |
| X | Series Number |
| a | Date Code(Year) |
| b | Date Code(Month) |

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

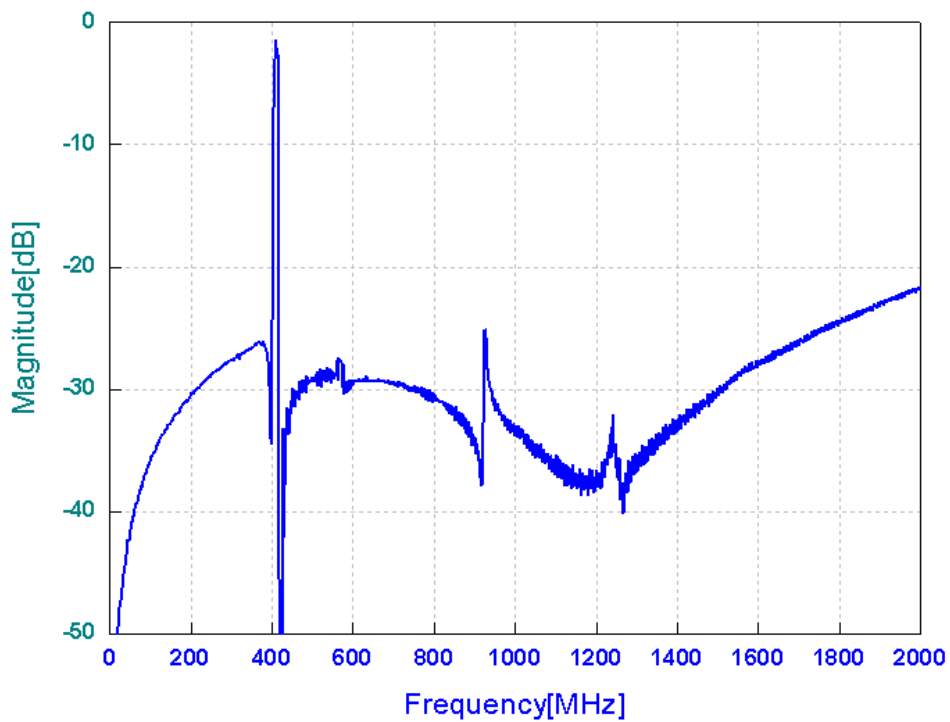
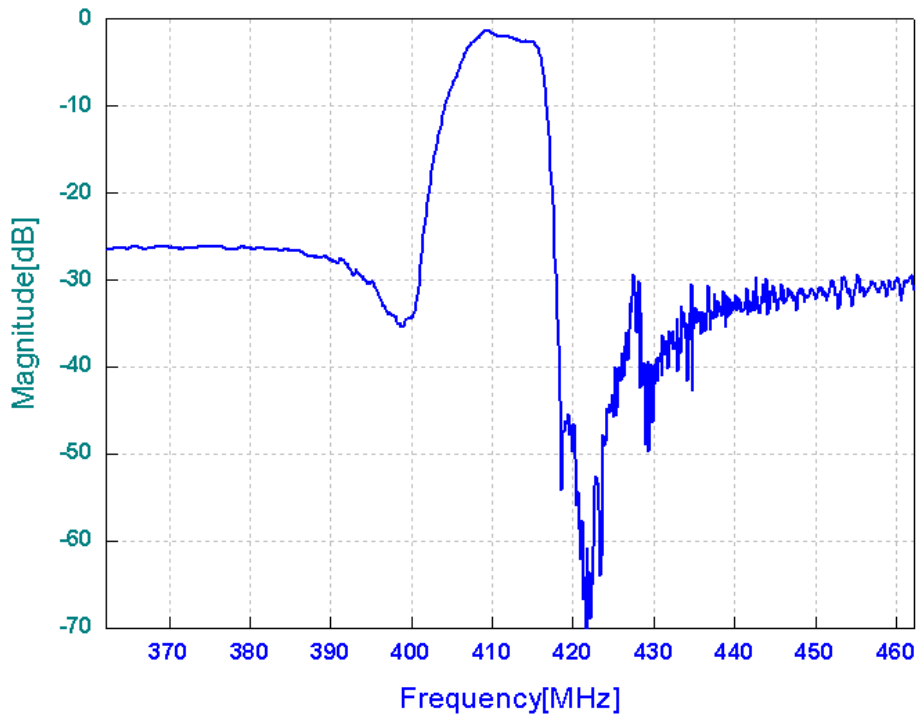
Testing Environment



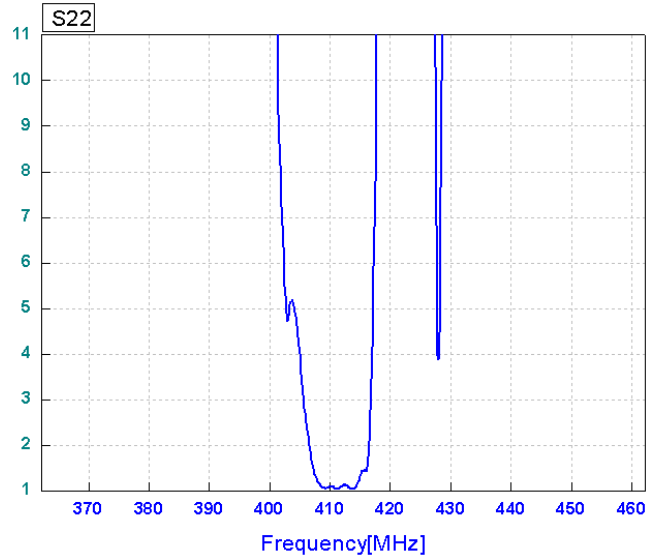
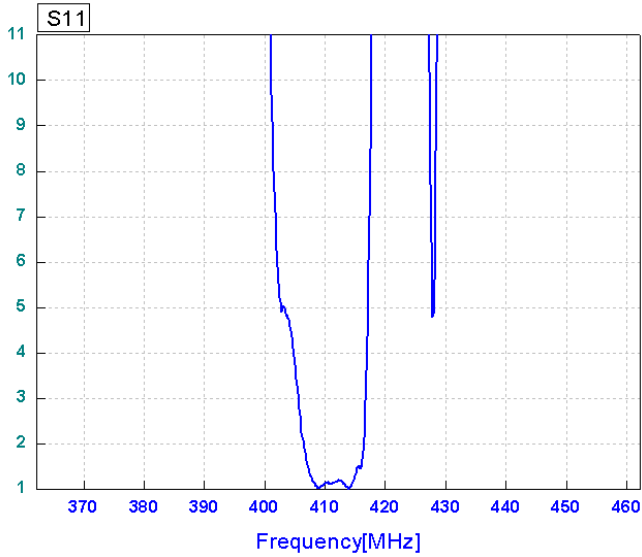
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

