



Total Solution Provider in Saw Device

SA422GP1

CDMA 450 L-Band, RF-Rx SAW Filter
Revision 0: February 2009



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

SAWNICS Inc.

460 Cheonheung-ri, Seonggeo-eup, Cheonan-si, Chungcheongnam-do, 330-836 / Korea.
Tel: +82 41 550 9372 / Fax: +82 41 550 9399 / www.sawnics.com

□ Electrical Characteristics

Maximum Ratings

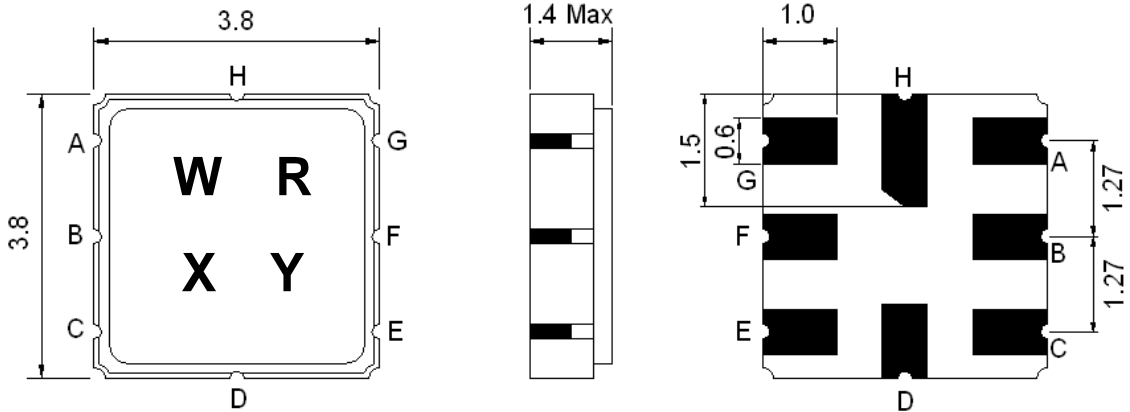
| Parameters Description | Unit | Minimum | Typical | Maximum |
|--|-----------------|---------|-----------|---------|
| Operating Temperature Range | °C | -30 | - | +80 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 0 |
| Maximum Input Power | dBm | - | - | 27 |
| 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 | - | 422.925 | - |
| Insertion Loss within 420.0 ~ 425.85 MHz | dB | - | 1.5 | 3.5 |
| Attenuation: | | | | |
| 0.3 ~ 410.0 MHz | dB | 38 | 47 | - |
| 410.0 ~ 415.85 MHz | dB | 40 | 49 | - |
| 445.0 ~ 600.0 MHz | dB | 40 | 48 | - |
| 600.0 ~ 1200.0 MHz | dB | 30 | 35 | - |
| 1200.0 ~ 2000.0 MHz | dB | 25 | 30 | - |
| VSWR within 420.0 ~ 425.85 MHz | - | - | 1.4 | 2.0 |

Notes : (1) No Matching Network

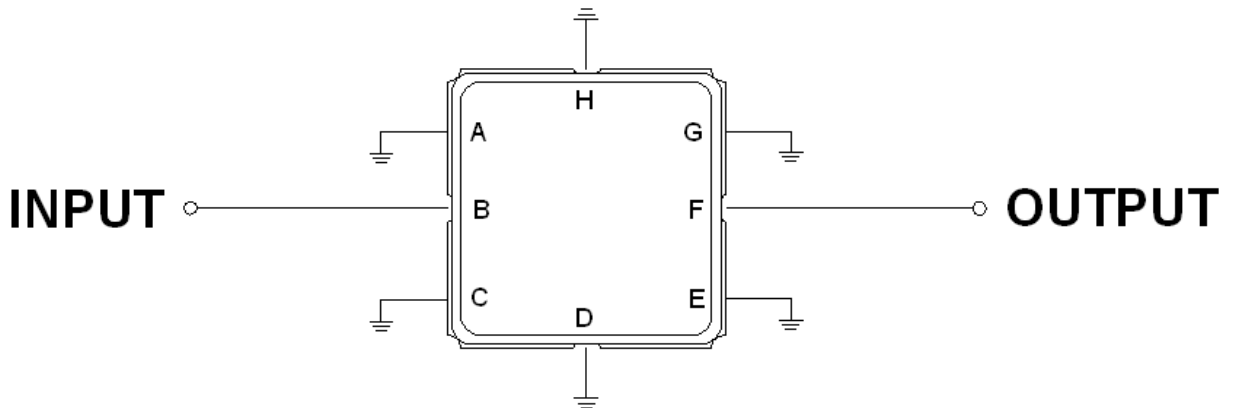
Package Dimensions



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

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

Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response

