

- Remote Control, 1-Port SAW Resonator
- Revision0: March 2005

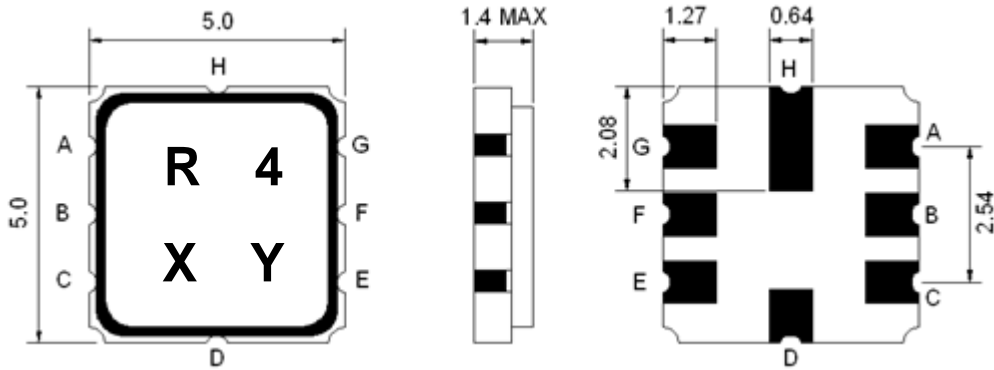
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -40 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 12 |
| Maximum Input Power | dBm | - | - | 0 |
| Source Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Load Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Package type & size | K | | | |
| Length x Width | mm ² | - | 5.0 x 5.0 | - |
| Height | mm | - | - | 1.4 |

| ELECTRICAL SPECIFICATION | | | | |
|----------------------------|---------|---------|---------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fr) | MHz | 433.845 | 433.92 | 433.995 |
| Insertion Loss | dB | - | 1.0 | 2.0 |
| Equivalent Elements | | | | |
| Motional Capacitance (Cm) | fF | - | 2.06 | - |
| Motional Inductance (Lm) | μH | - | 65.1 | - |
| Motional Resistance (Rm) | Ω | - | 13 | - |
| Parallel Capacitance (Co) | pF | - | 3.5 | - |
| Temp. coeff. | ppm/c*2 | - | 0.032 | - |
| Turnover To | deg.C | 10 | 25 | 40 |

Notes: (1) No Matching Network

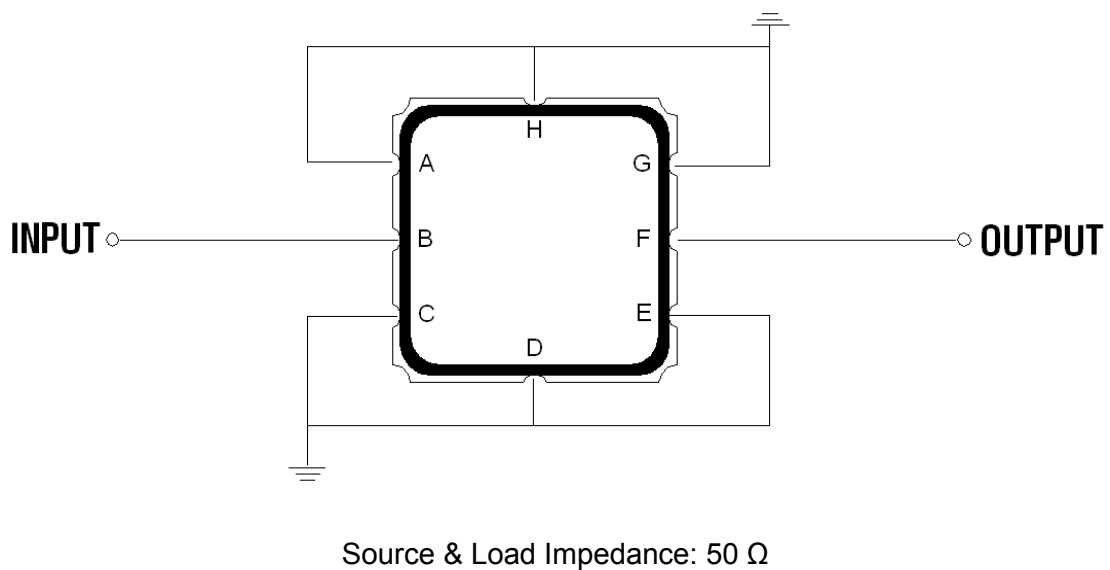
Package Dimensions



| Marking Descriptions | |
|----------------------|-----------------------|
| R | Resonator Application |
| 4 | 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



Frequency Characteristics

Frequency Response

