

# SMD KHz Crystals 1.6 x 1.0 x 0.5 (max) mm 9H T12 Series

## Features

- 2 pads surface mount package.
- Application for NB, Smart Phone, variety of compact portable consumer products reference clocks.
- High reliable environmental performance.
- RoHS compliant /Pb Free.



## Electrical Specifications

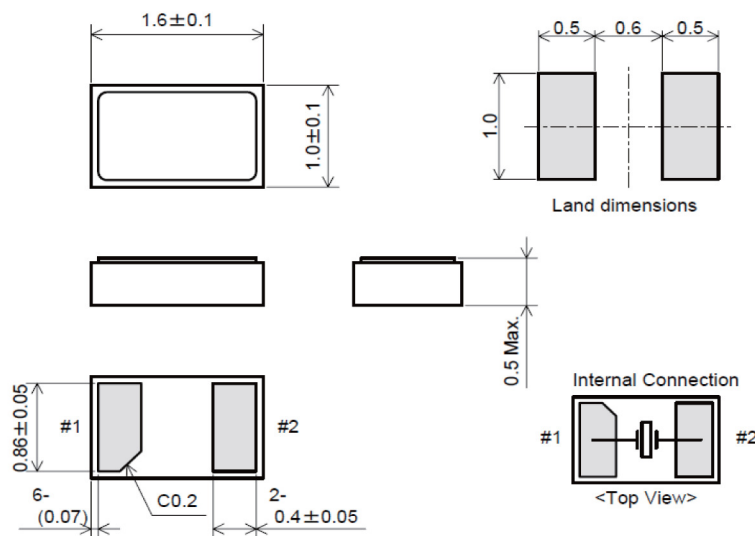
| Item / Type                   | 9H T12                                     |
|-------------------------------|--------------------------------------------|
| Normal Frequency              | 32.768 KHz                                 |
| Frequency Tolerance(at 25 °C) | ± 20 ppm , or specify                      |
| Operation Temperature Range   | - 40 ~ + 85 °C                             |
| Shunt Capacitance (C0)        | 1.2 pF typical                             |
| Motional Capacitance (C1)     | 6.0 fF typical                             |
| Insulation Resistance (IR)    | 500 MΩ Min.                                |
| Drive Level (DL)              | 0.5 μW Max.                                |
| Load Capacitance( CL)         | 12.5 pF                                    |
| Turnover Temperature (Ti)     | 25 °C ± 5 °C                               |
| Parabolic Coefficient (B)     | - 4.0 * 10 <sup>-8</sup> / °C <sup>2</sup> |
| Aging (at 25 °C)              | ± 3 ppm at first year                      |
| Storage Temperature Range     | - 55 ~ +125 °C                             |

## Equivalent Series Resistance(ESR)

T10

90 KΩ Max

## Dimensions



Units: mm

# Mouser Electronics

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