

# SMD KHz Crystals 2.0 x 1.2 x 0.6 mm 9H T11 Series

Quartz Crystals  
Series

## Features

- Ceramic surface mount package
- Applications in mobile phone, Notebook and DSC.
- RoHS Compliant / Pb Free.



## Electrical Specifications

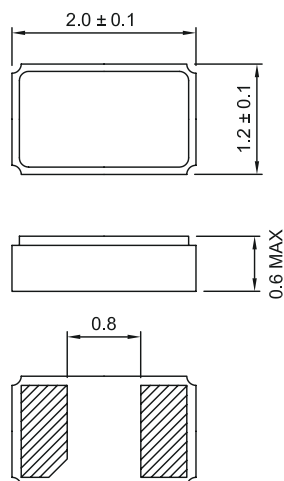
| Item / Type                   | 9H T11                                                |
|-------------------------------|-------------------------------------------------------|
| Normal Frequency              | 32.768 KHz                                            |
| Frequency Tolerance(at 25 °C) | ± 20 ppm , or specify                                 |
| Operation Temperature Range   | - 40 ~ + 85 °C                                        |
| Shunt Capacitance (C0)        | 1.3pF typical                                         |
| Motional Capacitance (C1)     | 6.4fF typical                                         |
| Insulation Resistance (IR)    | 500 MΩ Min.                                           |
| Drive Level (DL)              | 1.0 μW Max.                                           |
| Load Capacitance( CL)         | 9 pF , or 12.5 pF                                     |
| Turnover Temperature (Ti)     | 25 °C ± 5 °C                                          |
| Parabolic Coefficient (B)     | ( -0.03 ± 0.01 ) * 10 <sup>-6</sup> / °C <sup>2</sup> |
| Aging (at 25 °C)              | ± 5 ppm at first year                                 |
| Storage Temperature Range     | - 55 ~ +125 °C                                        |

## Equivalent Series Resistance(ESR)

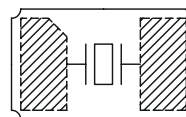
T11

90 KΩ Max

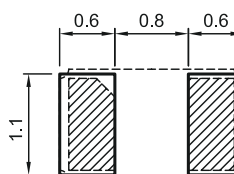
## Dimensions



Connection



Suggested Layout



Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.

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