

# 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

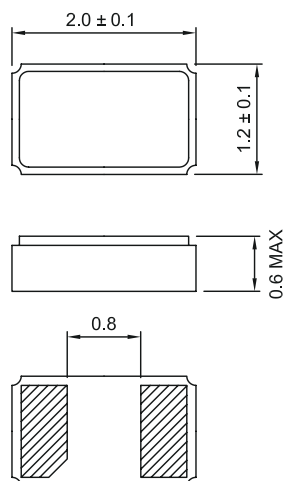
Item / Type	9H T11
Normal Frequency	32.768 KHz
Frequency Tolerance(at 25 °C)	± 20 ppm , or specify
Operation Temperature Range	- 40 ~ + 85 °C
Shunt Capacitance (C0)	1.3pF typical
Motional Capacitance (C1)	6.4fF typical
Insulation Resistance (IR)	500 MΩ Min.
Drive Level (DL)	1.0 μW Max.
Load Capacitance( 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)

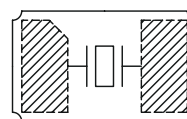
T11

90 KΩ Max

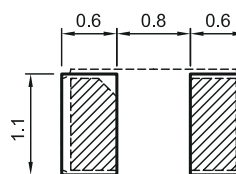
## Dimensions



Connection



Suggested Layout



Units: mm

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

## QUARTZ CRYSTAL Part Numbering System

Example Part Number: 9B-25.000MAAJ-B

