

# SMD kHz Crystals

## 2.0 x 1.2 x 0.6 (max) mm 9H T11 Series



### Features

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

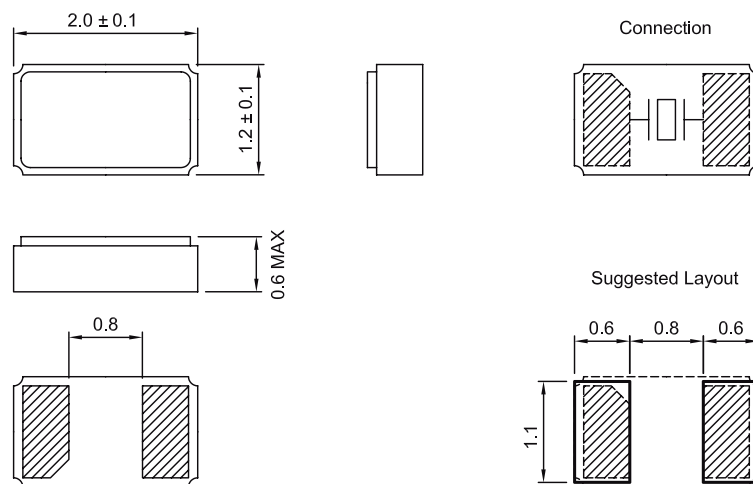
### Electrical Specifications

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)	0.5 μW Max.
Load Capacitance( CL)	12.5 pF , other spec.
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)	± 3 ppm at first year
Storage Temperature Range	- 55 ~ +125 °C

### Equivalent Series Resistance(ESR)

T11  
90 KΩ Max

### Dimensions



Units: mm