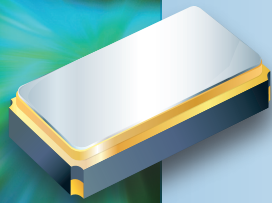


# SMD KHz Crystals 3.2 x 1.5 x 0.75 mm 9H T10 Series

## 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

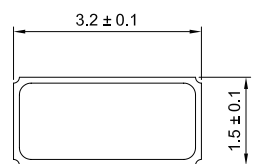
Item / Type	9H T10
Normal Frequency	32.768 KHz
Frequency Tolerance(at 25 °C)	± 20 ppm , or specify
Operation Temperature Range	- 40 ~ + 85 °C
Shunt Capacitance (C0)	1.5pF typical
Motional Capacitance (C1)	6.7fF typical
Insulation Resistance (IR)	500 MΩ Min.
Drive Level (DL)	0.5 μW Max.
Load Capacitance( 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)	± 3 ppm at first year
Storage Temperature Range	- 55 ~ +125 °C

## Equivalent Series Resistance(ESR)

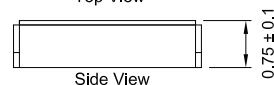
T10

70 KΩ Max

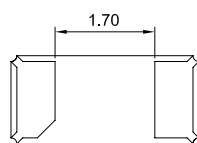
## Dimensions



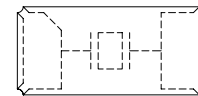
Top View



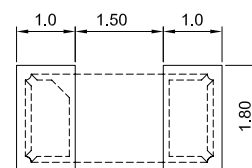
Side View



Bottom View



Top View Crystal Connection



Top View Suggested Layout

Units: mm