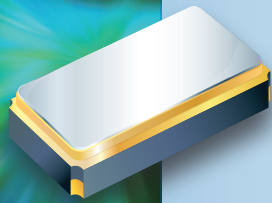


SMD KHz Crystals 3.2 x 1.5 x 0.75 mm 9H T10 Series



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

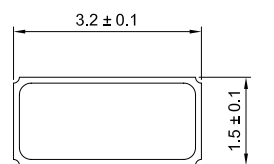
| Item / Type | 9H T10 |
|-------------------------------|--|
| Normal Frequency | 32.768 KHz |
| Frequency Tolerance(at 25 °C) | ± 20 ppm , or specify |
| Operation Temperature Range | - 40 ~ + 85 °C |
| Shunt Capacitance (C0) | 1.5pF typical |
| Motional Capacitance (C1) | 6.7fF typical |
| Insulation 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 ⁻⁶ / °C ² |
| Aging (at 25 °C) | ± 3 ppm at first year |
| Storage Temperature Range | - 55 ~ +125 °C |

Equivalent Series Resistance(ESR)

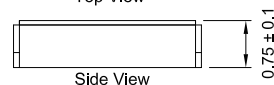
T10

70 KΩ Max

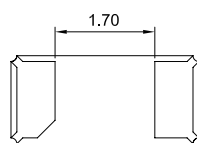
Dimensions



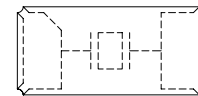
Top View



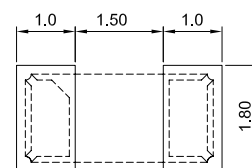
Side View



Bottom View



Top View Crystal Connection



Top View Suggested Layout

Units: mm