

# SMD kHz Crystals 3.2 x 1.5 x 0.75 mm AH Series

## Features

- 2 pads surface mount package.
- High reliable environmental performance.
- RoHS compliant /Pb Free.
- AECQ200 Certified for automotive RTC applications.



## Electrical Specifications

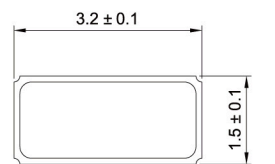
| Item / Type                   | AH   |
|-------------------------------|--|
| Norminal Frequency            | 32.768 kHz   |
| Frequency Tolerance(at 25 °C) | ± 20 ppm , or specify                                  |
| Operation Temperature Range   | - 40 ~ + 85 °C   |
| Shunt Capacitance (C0)        | 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)         | 7.0 pF , 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)

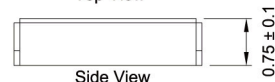
AH

70 KΩ Max

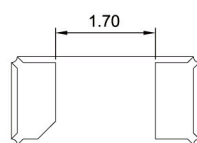
## Dimensions



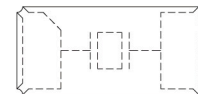
Top View



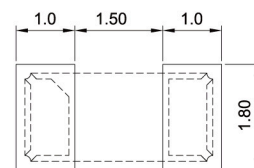
Side View



Bottom View



Top View Crystal Connection



Top View Suggested Layout

SHENZHEN YIJIN ELECTRONICS CO: LTD TEL: 0755-27876565

18924600166 QQ: 857950243 <http://www.vc-tcxo.com>

Units: mm