

# 32.768KHZ SMD Crystals 3.2x1.5x0.75mm H31 Series



## Features

- 2 pads surface mount package;
- Applications in mobile phone, Notebook and DSC;
- High reliable environmental performance;
- RoHS Compliant / Pb Free;



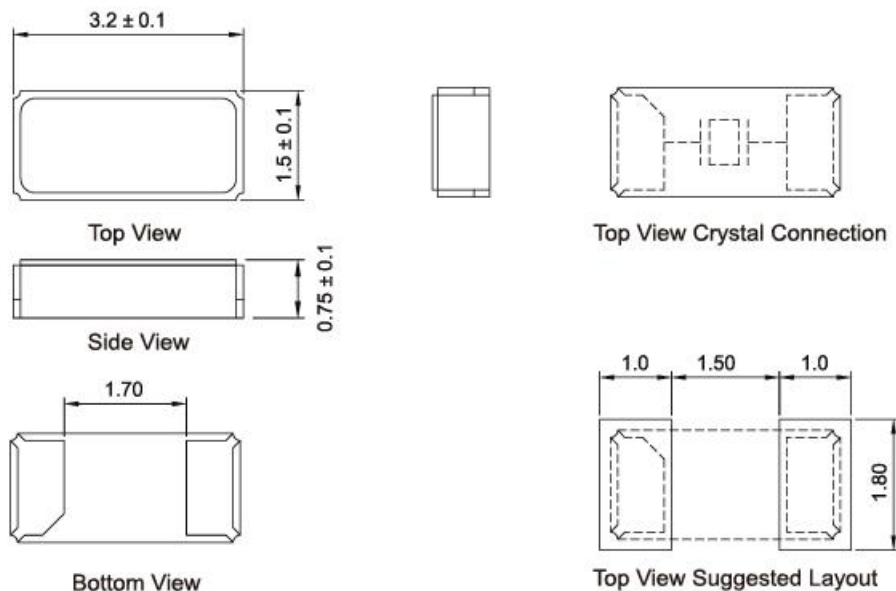
## Crystals specifications

| ITEMS/TYPE                    | H31   |
|-------------------------------|---|
| Nominal Frequency             | 32.768KHz                                     |
| Load Capacitance              | 7pF, 9pF, 12.5pF, or specify                  |
| Frequency Tolerance (at 25°C) | ±20ppm, or specify                            |
| Operating Temperature Range   | -40~+85°C, or specify                         |
| Parabolic Coefficient (B)     | $(-0.03 \pm 0.01) 10^{-6} / ^\circ\text{C}^2$ |
| Motional Capacitance(C1)      | 3.4fF typical                                 |
| Shunt Capacitance (C0)        | 1.0pF typical                                 |
| Drive Level                   | 1.0μW Max.                                    |
| Aging (at 25°C)               | ±3ppm/year Max.                               |
| Storage Temperature Range     | -55~+125°C                                    |
| Packing Unit                  | 3,000pcs/Reel                                 |

## Equivalent Series Resistance(ESR)

| Fundamental |           |
|-------------|-----------|
| 32.768KHz   | 70KΩ Max. |

## Dimensions and patterns(unit:mm)



Units:mm