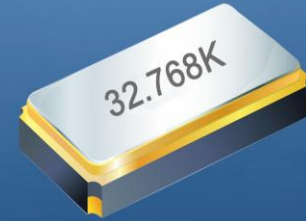


# SMD kHz Crystals 1.6x1.0x0.5mm 1610 Series



## Features

- . 2 pads surface mount package.
- . Application for NB ,Smart Phone .variety of compact portable consumer products reference clocks.
- . High reliable environmental performance.



## Electrical Specifications

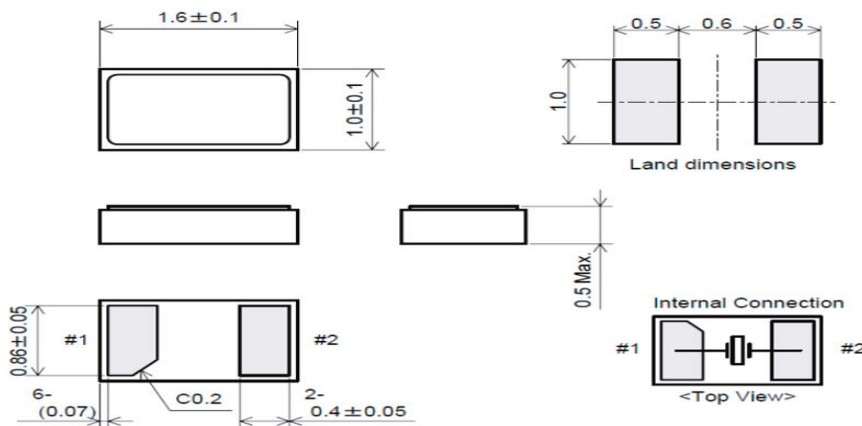
Item / Type	
Norminal Frequency	32.768 kHz
Frequency Tolerance(at 25 °c)	± 20 ppm
Operation Temperature Range	- 40 ~ + 85 °c
Shunt Capacitance (C0)	1.3pF typical
Motional Capacitance (C1)	6.4fF typical
Insulation Resistance (IR)	500 MΩ Min.
Drive Level (DL)	0.5 μW Max.
Load Capacitance( CL)	7pF,12.5 pF ,
Turnover Temperature (Ti)	25 °c ± 5 °c
Parabolic Coefficient (B)	$( - 0.03 \pm 0.01 ) * 10^{-6} / ^\circ c^2$
Aging (at 25 °c)	± 3 ppm at First year
Storage Temperature Range	-55 ~ +125 °c

## Equivalent Series Resistance(ESR)

1610

80 KΩ Max

## Dimensions



Units: mm