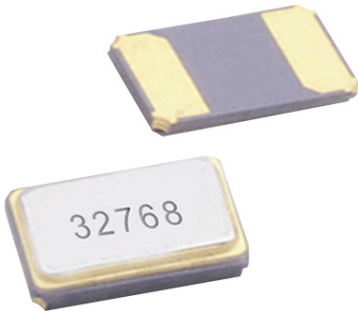


**RoHS  
Compliant**



## Applications

Smartphone, Wave Clock, Mobile Communications, Automotive, etc.

## Features

- 1610 size ultra miniature and lightweight with a low profile of 0.5mm
- High precision and reliability
- High reliable environmental performance
- Automatic mounting and reflow soldering

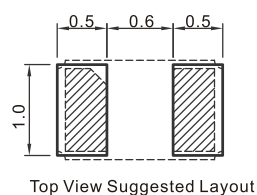
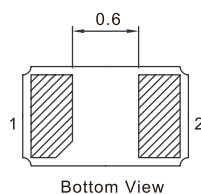
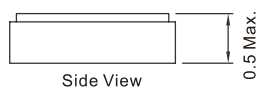
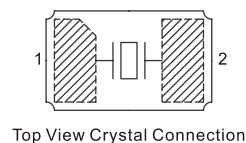
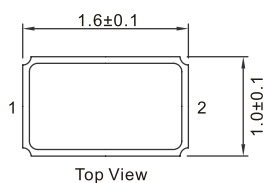
## Specifications

Frequency Range	: 32.768 kHz
Frequency Tolerance	: +20ppm
Load Capacitance	: 12.5pF, or specify
Operating Temperature Range	: -40°C to +85°C, or specify
Storage Temperature Range	: -55°C to +125°C
Drive Level	: 0.5pW Max.
Turnover Temperature	: $\pm 25^{\circ}\text{C} \pm 5^{\circ}\text{C}$
Parabolic Coefficient	: $(-0.03 + 0.01) \times 10^{-6}/^{\circ}\text{C}^2$
Shunt Capacitance	: 1.3pF Typ.
Aging (at 25°C)	: +3ppm at first year

## Fundamental

32.768kHz	: 90kΩ Max.
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## Dimensions



Dimensions : Millimetres

## Part Number Table

Description	Part Number
Crystal, 32.768KHz, 12.5PF, 1.6mm × 1mm	MPJK-7K-32.768-12.5-20-90-C

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