

# SMD Tuning Fork Crystal



**Size: 1.6×1.0×0.50 mm      7K Series SMD Tuning Fork Crystal**

## Features

- 2 pads surface mount package.
- 1610 size miniature and lightweight SMD tuning fork crystal resonator with a low profile of 0.50mm.
- High reliable environmental performance.
- Automatic mounting and reflow soldering.
- Application for NB, Smart phone, Digital appliance, PDA, Wave clock, Wireless communication, RFID, NFC, etc.
- RoHS Compliant / Pb-Free.



## Electrical Specifications

Item /Type	7K (7K Series SMD tuning fork crystal)
Frequency Range	32.768 kHz
Load capacitance	12.5pF, other spec.
Drive level	0.5μW Max.
Frequency tolerance	±20ppm, or specify
Turnover Temperature	±25°C±5°C
Parabolic Coefficient	$(-0.03±0.01)×10^{-6}/^{\circ}\text{C}^2$
Operating temperature range	-40~+85°C
Storage temperature range	±55~+125°C
Aging (at 25°C)	±3ppm at first year
Shunting capacitance	1.3pF Typ.
Packing Unit	3000pcs./Reel

## Equivalent Series Resistance(ESR)

Fundamental	
32.768kHz	90 KΩ Max.

## Dimensions

Units:mm

