

Research for Frequency Products

Description

This is DT-cut tuning fork type crystal unit, thru-hole hermetical seal metal package under vacuum environment. This crystal is suitable for Universal applications in Watches, Computer LED clock, alarm,Coverage wide frequency between 32.768KHz ~ 100KHz. Parts are supplied 1000pcs in bulk pack as standard.

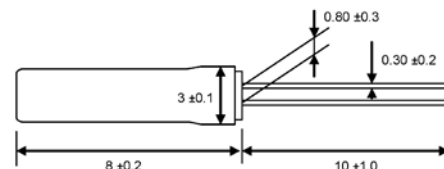
Features

Tight Tolerance $\pm 10\text{ppm}$ at room temp. available
Low crystal impedance
Low cost for manual PCBA or auto-insertion
RoHS Compliant

Crystal Unit Tuning Fork
 $\phi 3 \times 8\text{mm}$ Thru-Hole
32.768KHz ~ 100.00KHz



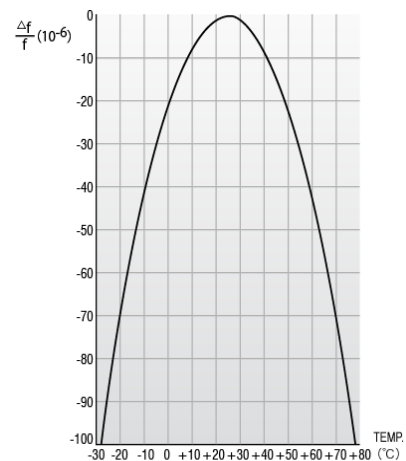
Outlines and Dimensions



Standard Parameters

Parameter	Specifications
Frequency Range	32.768KHz ~ 100.00KHz
Vibration Mode	Fundamental
Frequency Tolerance @25°C	$\pm 20\text{ppm}$ ($\pm 10\text{ppm}$ option)
Frequency Stability vs Temp Range	$-0.040\text{ppm}/^{\circ}\text{C}^2$ Max.
Operating Temp. Range	$-10 \sim +60^{\circ}\text{C}$
Load Capacitance	12.5pF typical
Drive Level	1.0μW Max.
Shunt Capacitance	2.0pF Max.
Equivalent Series Resistance	32.768KHz 35KΩ Max 38.0~100KHz 50KΩ Max
Aging per year	$\pm 5\text{ppm}$
Storage Temp. Range	$-40 \sim 125^{\circ}\text{C}$

Frequency vs Temp. Deviation



Subject to change without notice



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