

Research for Frequency Products

Description

This is DT-cut tuning fork type crystal unit. Hermetic seal package under vacuum environment. This tuning fork crystal is suitable for universal timing applications in Watches, Computer, LED clock, alarm,. Frequency 32.768KHz (1x2¹⁵). Parabolic curve of temperature coefficient. Parts are supplied in tape and reel as standard.

Features

Economy for cost saving
SMD type timing for high population assembly
Stable with vacuum sealing
RoHS Complaint

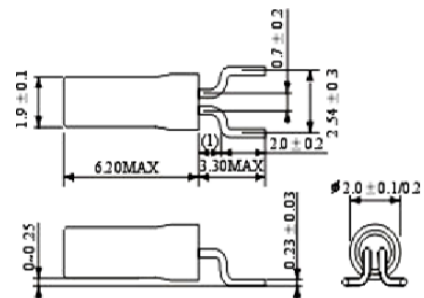
Standard Parameters

Parameter	Specifications
Frequency Range	32.768KHz
Vibration Mode	DT-Cut, Fundamental
Frequency Tolerance @25°C	±20ppm
Frequency Stability vs Temp Range	-0.04ppm/°C ² Max.
Operating Temp. Range	-10 ~ +60 °C (std) -40 ~ +85 °C (option)
Load Capacitance	12.5pF (std) 6~12pF (option)
Drive Level	1.0μW Max.
Shunt Capacitance	2.0pF Max.
Equivalent Series Resistance	50,000Ω Max.
Aging per year	±5ppm
Storage Temp. Range	-40 ~ 90 °C

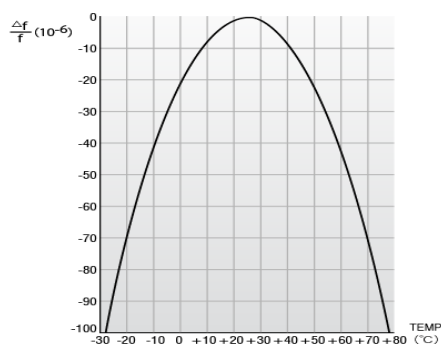
Crystal Unit Tuning Fork
SMD 9.5x2.54x0.23mm
32.768KHz



Outlines and Dimensions



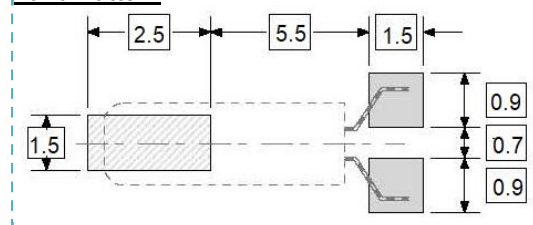
Frequency vs Temp. Deviation Characteristics



Internal Connection



Land Pattern



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Subject to change without notice