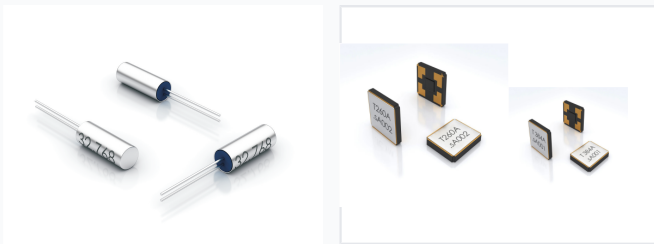


Quartz Crystal Resonator and Oscillator

Quartz crystal resonators offer stable frequency control for electronic applications. These oscillators are available in various frequencies and package sizes.



ADDITIONAL IMAGES



Product Overview

Precision Timing Solutions

This comprehensive series of quartz crystal resonators and oscillators offers high-precision timing for diverse electronic applications. Featuring both resistance-welded and reflow-resistance designs, these components provide superior frequency pullability and low equivalent series resistance. Designed for efficiency and performance, they serve as the ideal choice for clocking, consumer electronics, and high-density industrial control systems.

Compliance

RoHS Compliant, Pb Free

Series Specifications

Series Selection Guide

Series	Frequency Range	Key Features
TF	32.768 kHz	Resistance welded, Clock optimization
49S	3.579 - 64 MHz	Resistance welded, Low cost
M	8.000 - 54.000 MHz	Reflow resistance, High volume
K	32.768 kHz	Reflow resistance, Compact
T	19.2 - 38.4 MHz	Reflow resistance, High stability
TC	10.000 - 70.000 MHz	HC MOS, Tri-state, Low jitter

Oscillator Performance

TC Series Performance Metrics

2.5 ppm

Frequency Stability

Key Operational Features

- HCMOS output format
- Integrated Tri-state function
- Low current consumption
- Low phase noise
- Low jitter performance