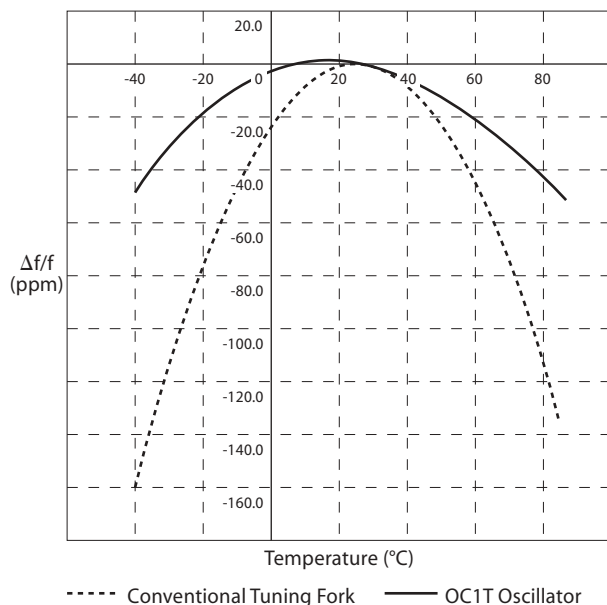


Scale 2:1

Features

- Excellent temperature performance**
- Low power consumption**
- High shock and vibration resistance**
- Miniature ceramic package**

Temperature Characteristics



Specifications

| Parameters | Product | Option Codes |
|--|------------------|-------------------|
| | OC1T | |
| Terminations: SM, Gold flashed pads SM, Ni+Sn plated pads | ■ □ | T1D T2D |
| Frequency: 32.7680kHz | ■ | |
| Calibration tolerance: ±30ppm ±20ppm ±10ppm Other | ■ □ □ □ | B A specify |
| Frequency stability: 0 ~ -10ppm (0 to +50°C) 0 ~ -30ppm (-20 to +70°C) 0 ~ -50ppm (-40 to +85°C) | ■ ■ ■ | |
| Operating temperature range: -40 to +85°C | ■ | |
| Storage temperature range: -55 to +125°C | ■ | |
| Turnover temperature (T₀): +20°C | ■ | |
| Frequency / temp coefficient: -0.012ppm/°C ² | ■ | |
| Supply voltage (V_{DD}): 3.3V Operable from 2.3 ~ 3.6V | ■ □ | |
| Voltage coefficient: ±3ppm/V max | ■ | |
| Supply current (max): 10μA (V _{DD} = 3.3V, no load) | ■ | |
| Driving ability: 15pF CMOS | ■ | |
| Output voltage: '0' level (I _{VOH}) = 0.4V max '1' level (I _{VOH}) = 90%V _{DD} min | ■ ■ | |
| Start up time: 3s max | ■ | |
| Rise / fall times: 100ns max | ■ | |
| Enable / disable function: Tristate (control via pad 1) | ■ | |
| Shock and vibration resistance: ±5ppm, 5,000g, 0.3ms, ½ sine ±5ppm, 20g, 10.0 ~ 2,000Hz | ■ ■ | |
| Soldering condition: Reflow, 260°C, 20 sec max | ■ | |

■ Standard. □ Optional Please specify required code(s) when ordering

Enable / Disable Function

| Input (pad 1) | Output (pad 3) |
|---------------|----------------|
| Open | Enabled |
| '1' level | Enabled |
| '0' level | High Impedance |

Ordering Information

Package type + termination + option codes + frequency
eg: **OC1T-T1D 32.768kHz ±30ppm** (standard)
Option code X (eg OC1T-T1D/X) denotes a custom spec.

- ◆ Available on T&R - 1k, 2k or 4k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.