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VG-4232CA 61.44MHz
Frequency characteristic data

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SEIKO EPSON CORPORATION

TD Production Engineering Department

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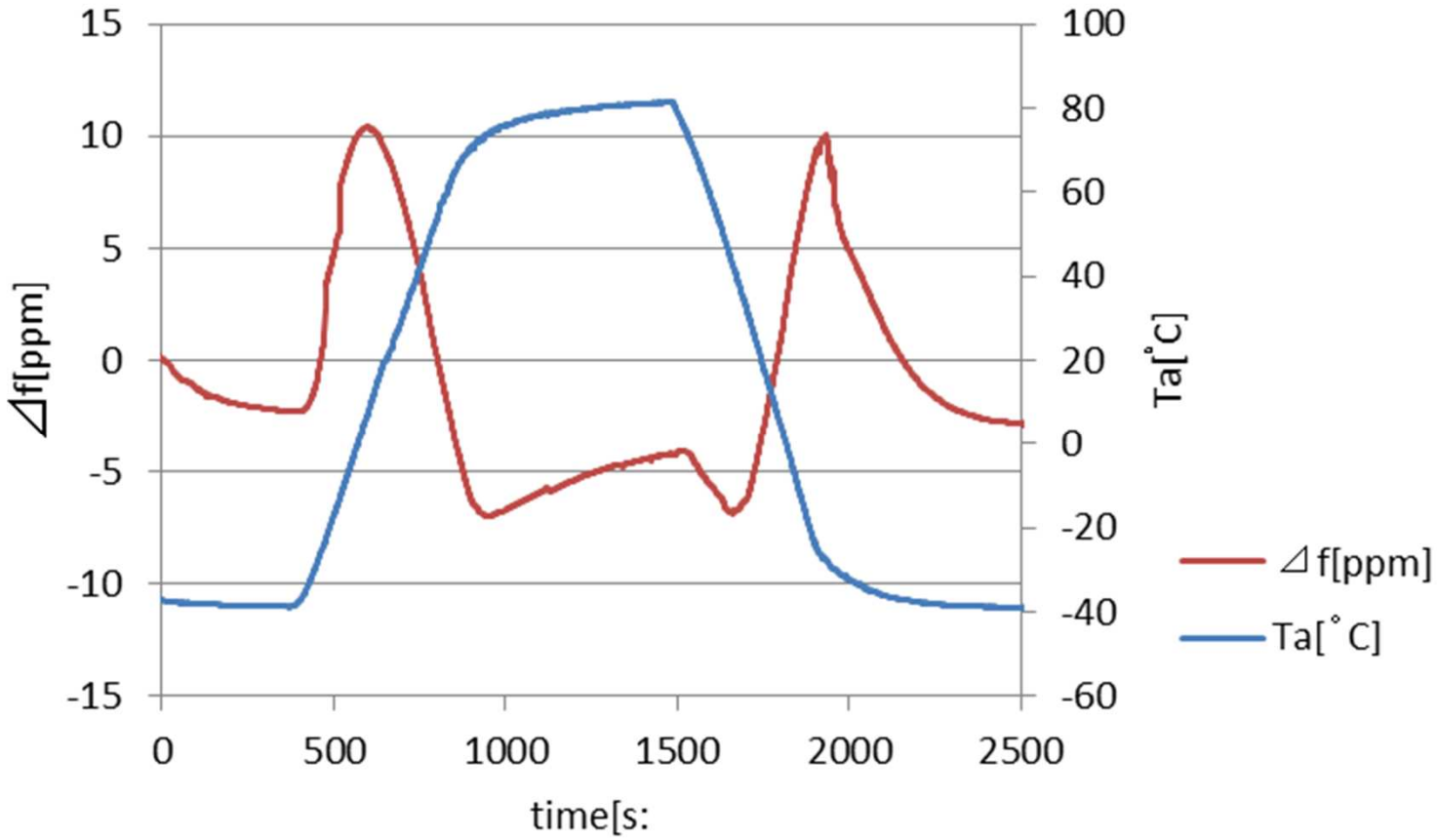


Description for the measurement

1. Check the frequency tolerance during temperature changes
   The speed of temperature is better at 15degree per minute.
   Full range, from low to high and from high to low.
   <Conditions>
   * Frequency monitored at intervals of 1s.
   * Ta=-40deg C => +85deg C=> -40deg C (15deg C/ minute)
   * Vcc=3.3V, Vc=1.65V

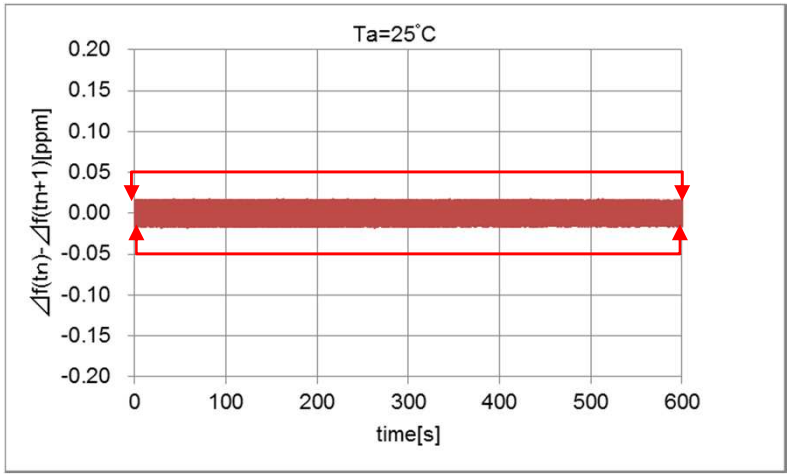
2. Test stability of short time
   Monitor the oscillators whether jitter is observed.
   <Conditions>
   * Frequency monitored at intervals of 10 ms.
   * Ta=-40deg C, +25deg C, +85deg C
   * Vcc=3.3V, Vc=1.65V

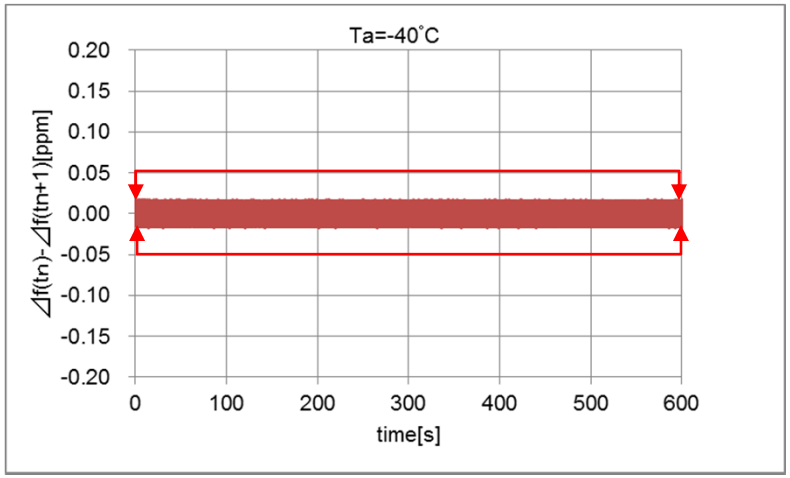
1. Check the frequency tolerance during temperature changes

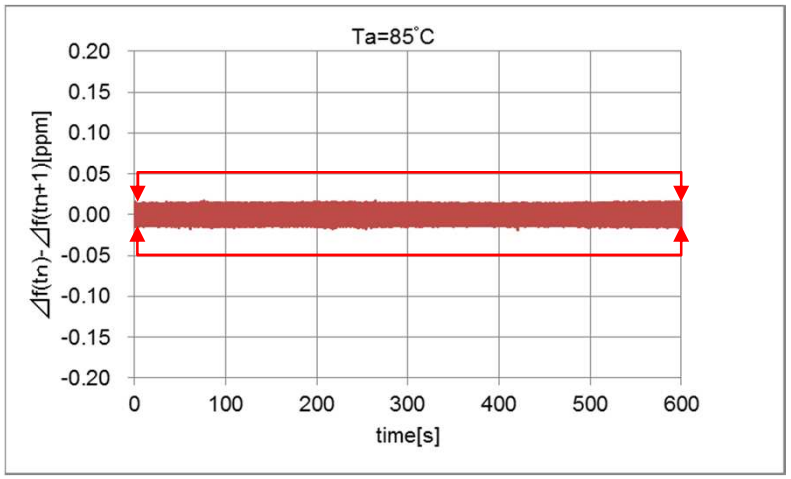


2. Test stability of short time.

The difference of the frequency deviations tested at 10 ms interval is showed in the below graphs. The tests done at -40deg C, + 25 deg C , and + 85 deg C.







Frequency changes at 10 ms interval : 0.05 ppm or less.

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