EPSON
EXCEED YOUR VISION

TG-5035CJ-12N 26MHz

Frequency stability Slope VS Temperature

July,15,2014

SEIKO EPSON CORPORATION

TD Engineering Department

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No. OSC14-CO-050



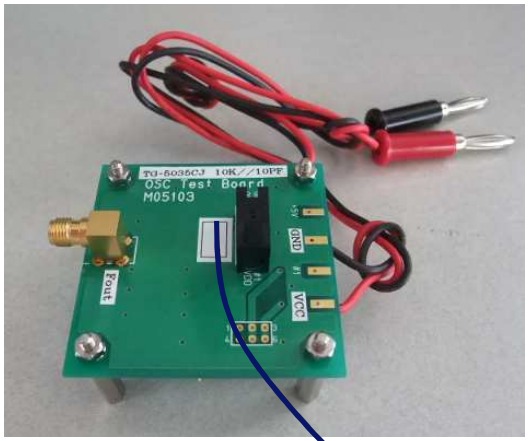
Confidential

【C73-C-0101-ETC 用紙A(03)】

Measurement System



Temperature controlled chamber



Test Jig

Mixer
HNC－5311

26MHz

25.9990MHz

Signal generator
HP 8644A

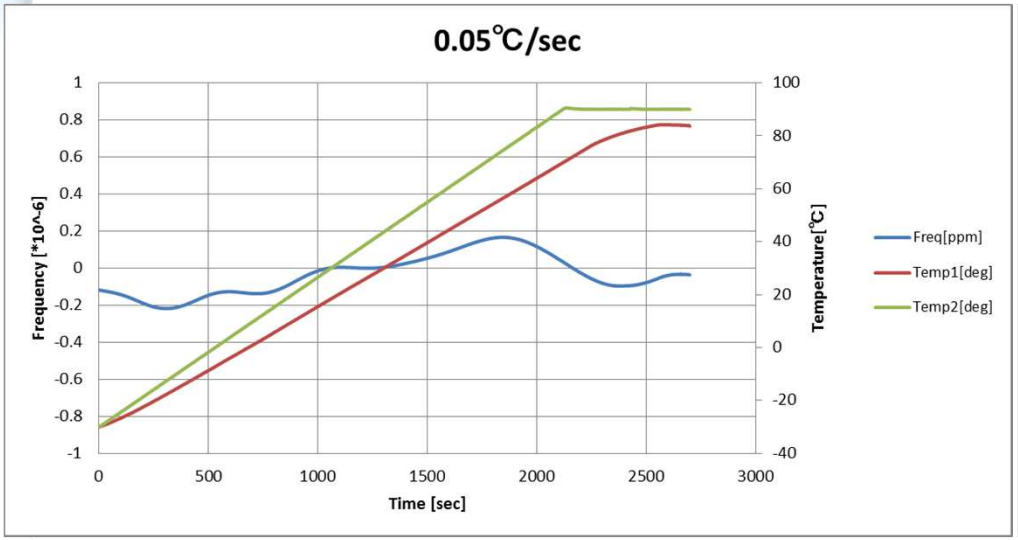
10kHz

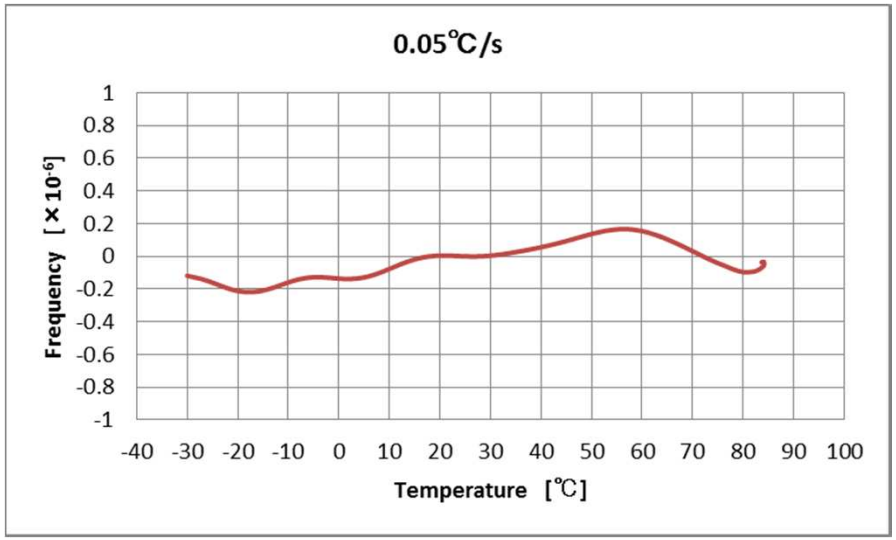
Frequency counter
CNT-90

Gate time 1sec

Thermocouple

temperature changing speed 0.05℃ /sec

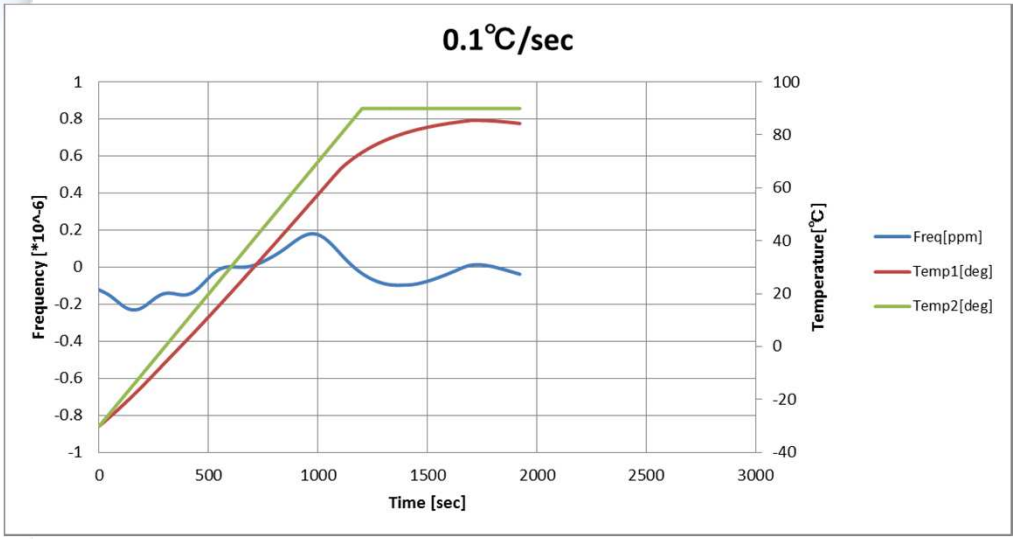


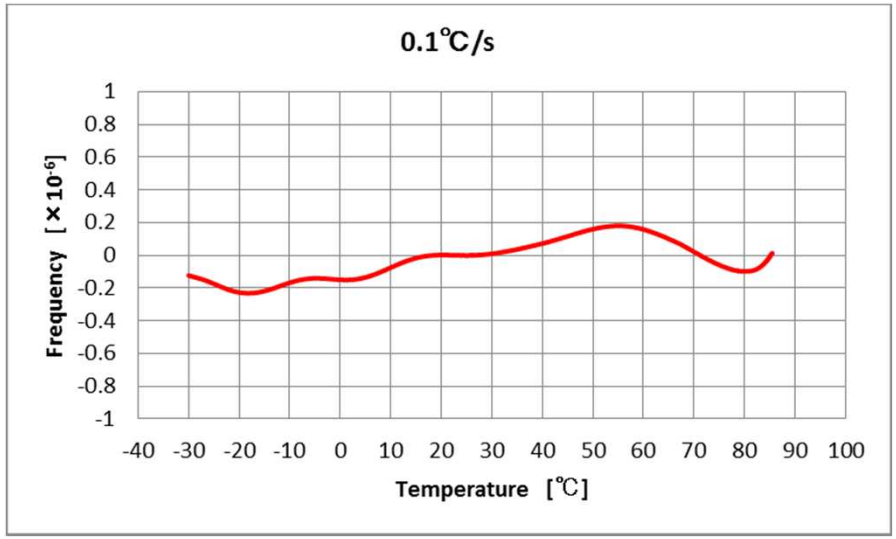


Temp1 : Chamber thermometer
Temp2 : Thermocouple

* Based on frequency at +25℃

temperature changing speed 0.1℃ /sec

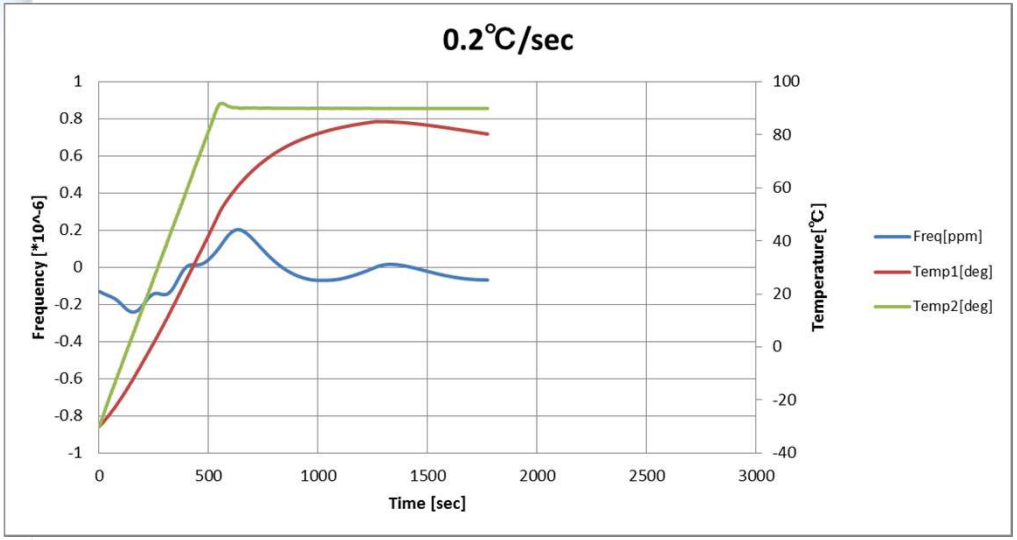


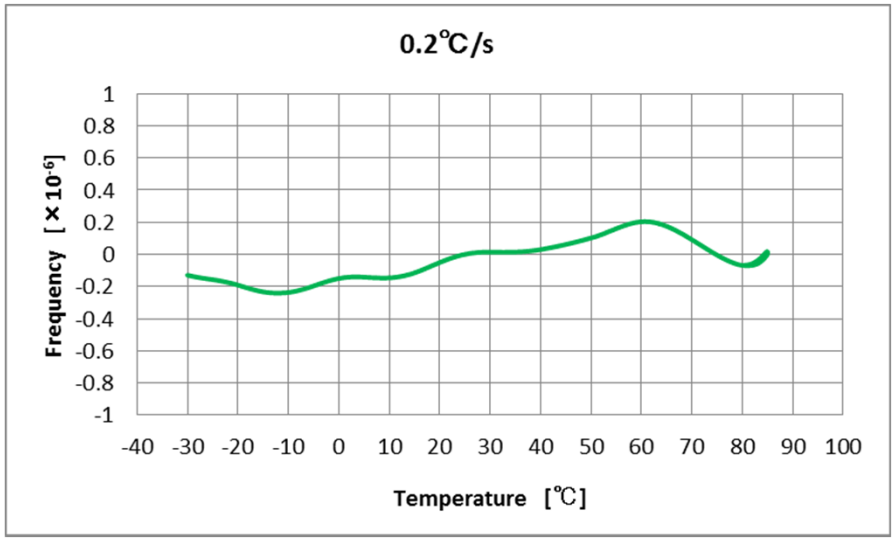


Temp1 : Chamber thermometer
Temp2 : Thermocouple

* Based on frequency at +25℃

temperature changing speed 0.2℃ /sec

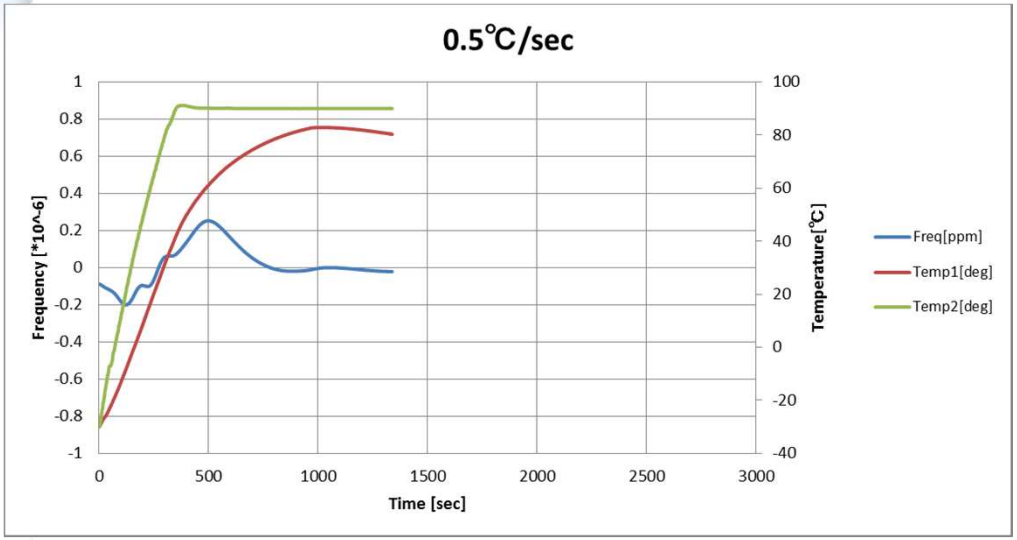


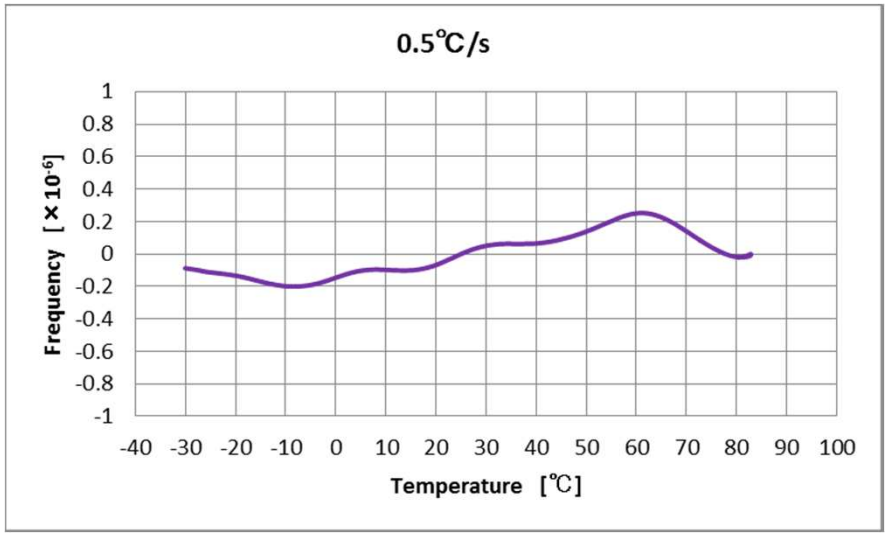


Temp1 : Chamber thermometer
Temp2 : Thermocouple

* Based on frequency at +25℃

temperature changing speed 0.5℃ /sec





Temp1 : Chamber thermometer
Temp2 : Thermocouple

* Based on frequency at +25℃

END