

Technical Data of Ceramic Resonator

MURATA Part No.: CSTCR4M00G53-R0

Applied to HD64F7144F50

Note: Suffix indicates packaging style.

·Lead type

-A0 : Flat pack package(Ho=18mm)

-B0 : Bulk

·SMD type

-R0 : Plastic tape package(\varnothing =180mm)

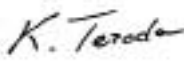



-B0 : Bulk

TOYAMA MURATA MANUFACTURING CO., LTD.

Product Engineering Service Section I

Planning Department

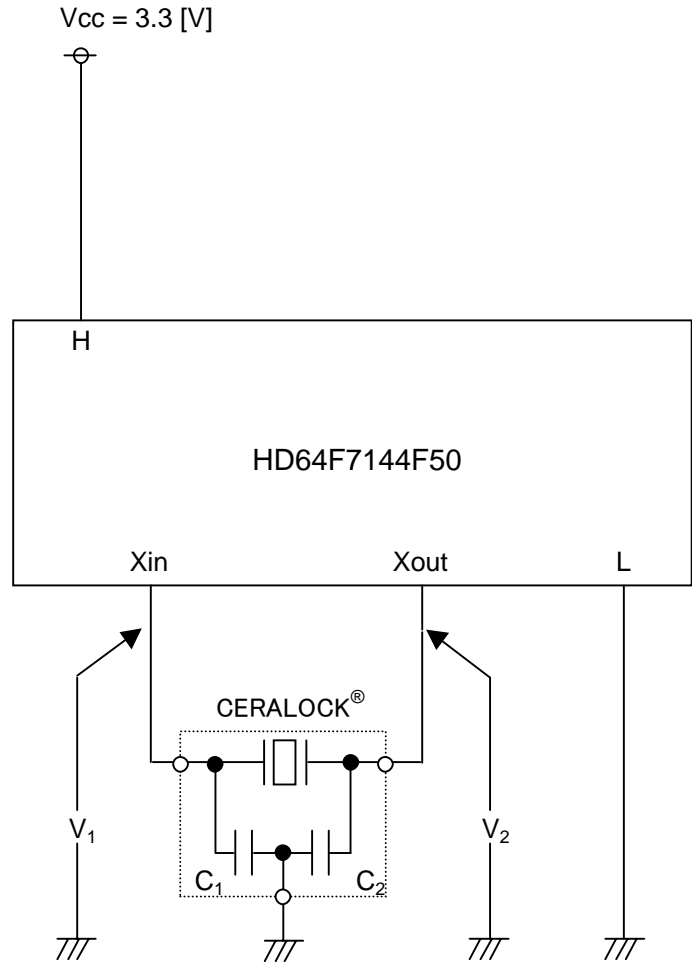
Piezoelectric Components Group

Approved by	Checked by	Checked by	Issued by	Issued Date	Data No.
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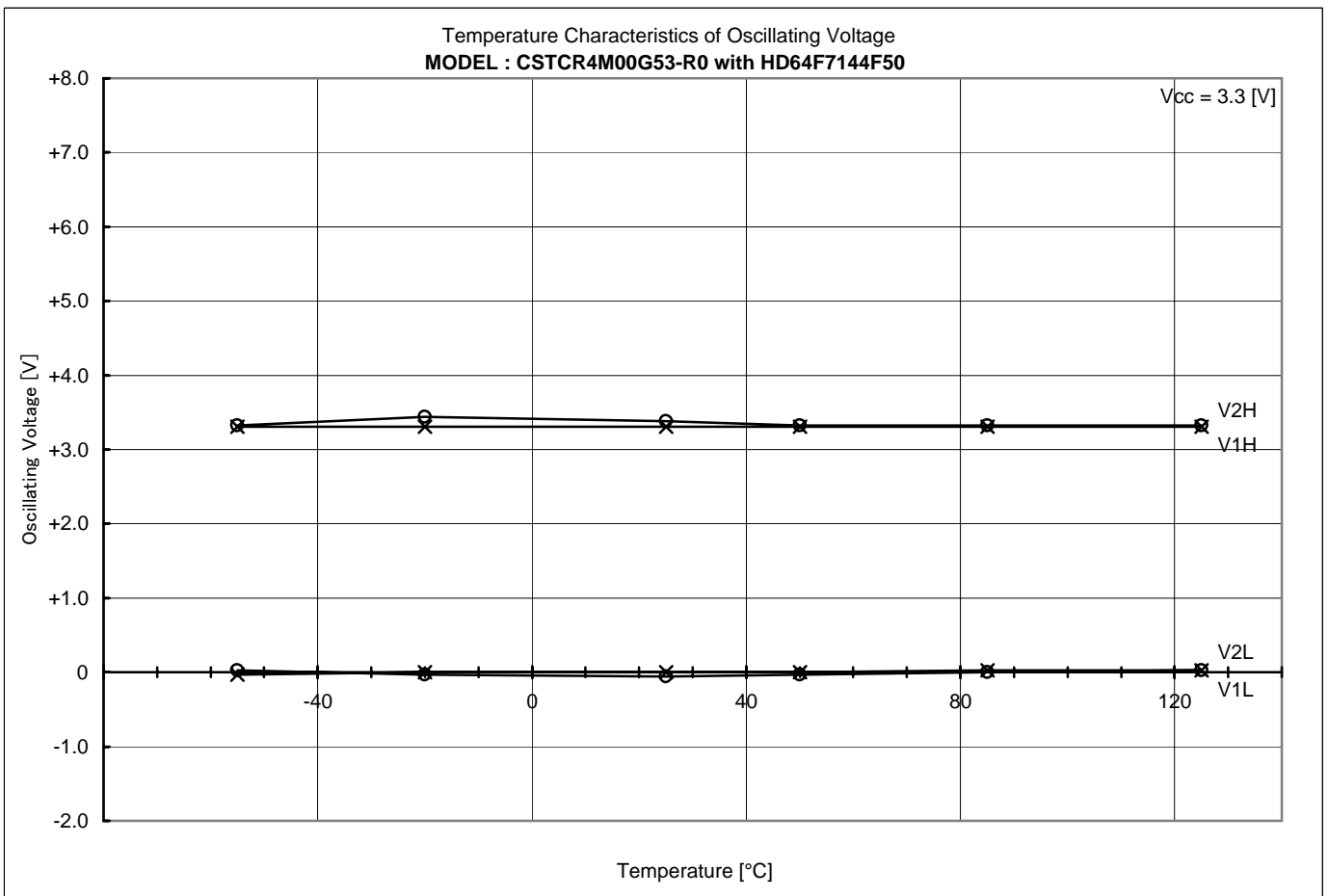
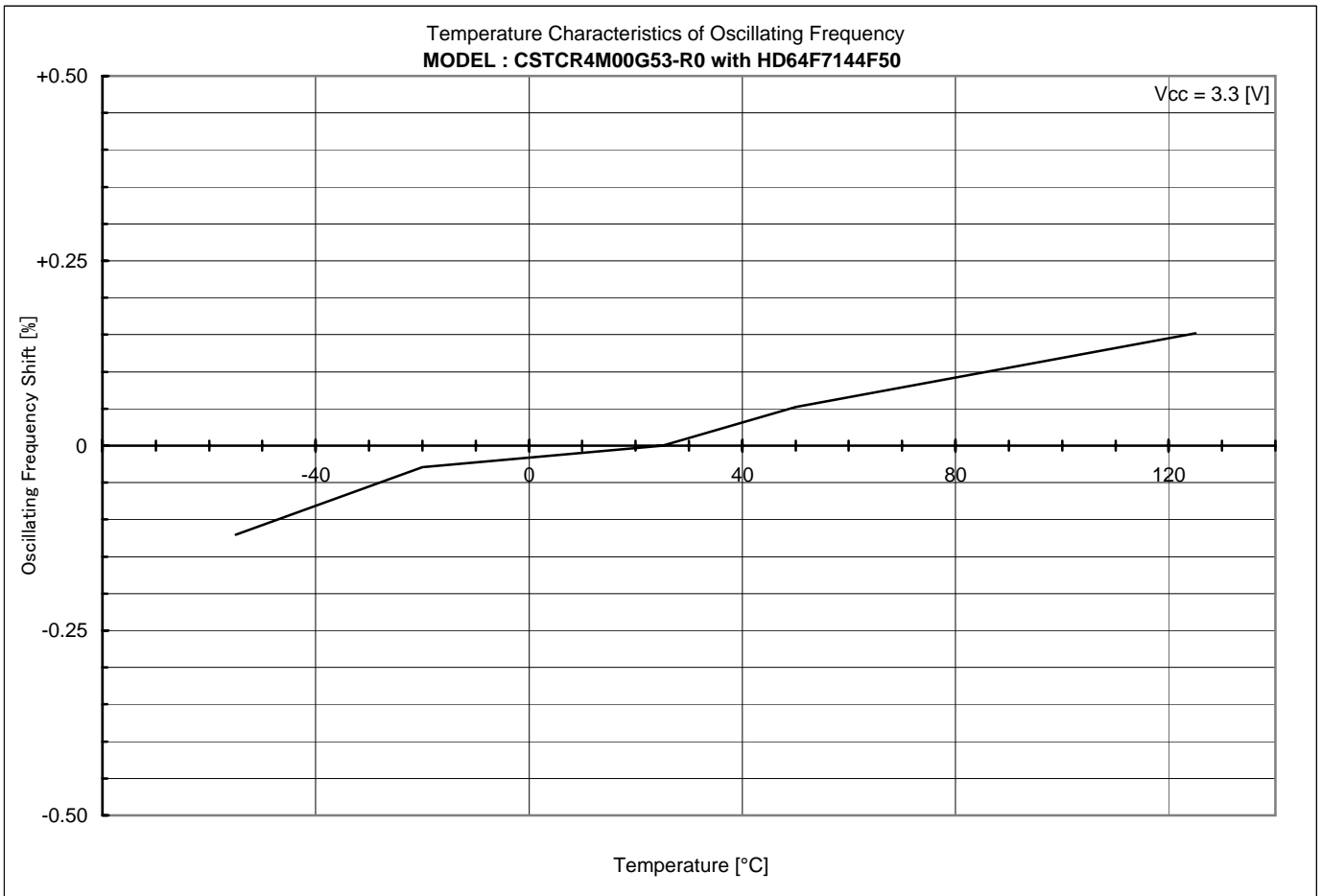
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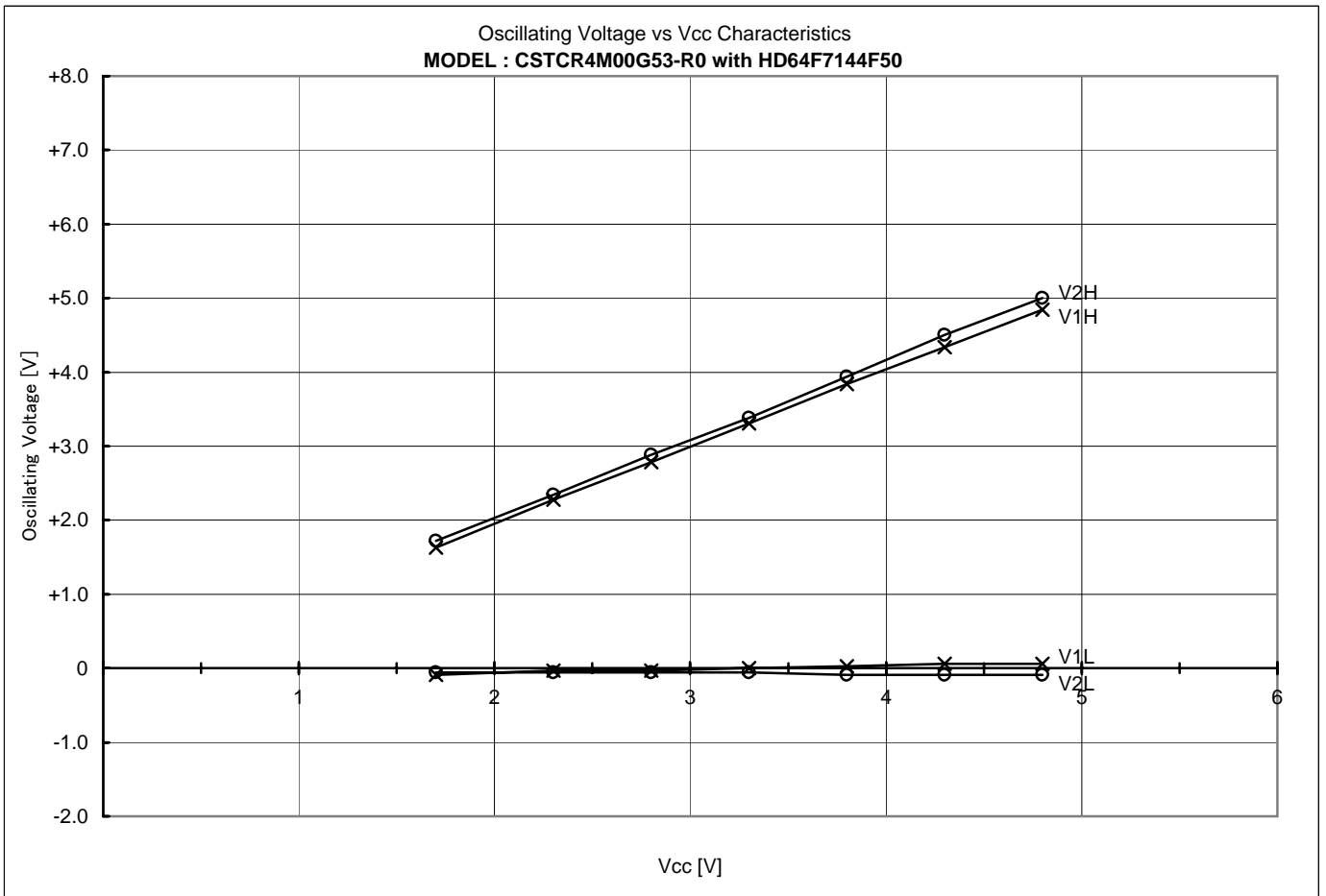
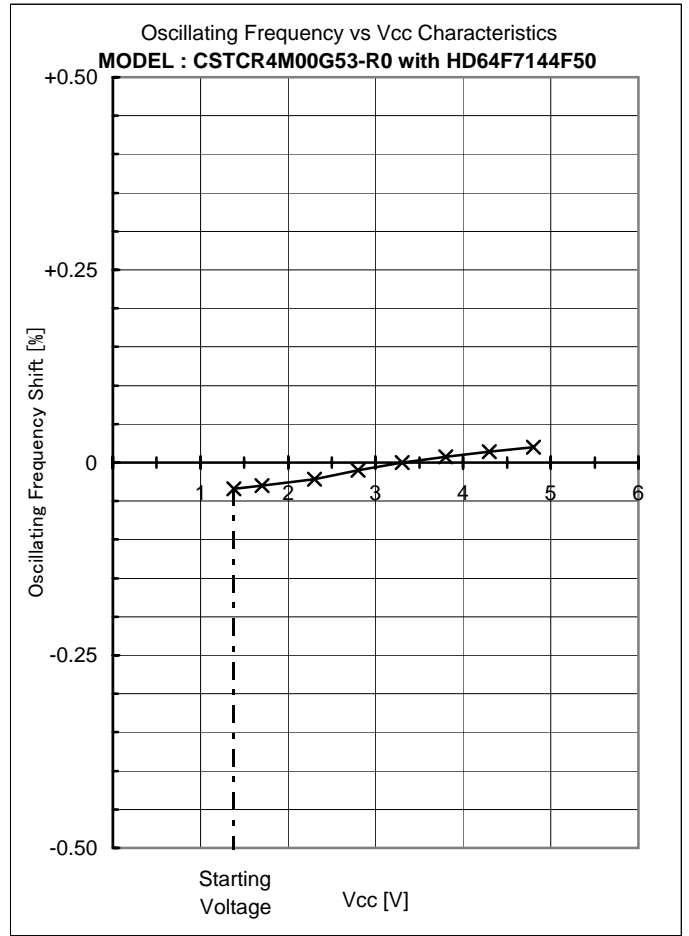
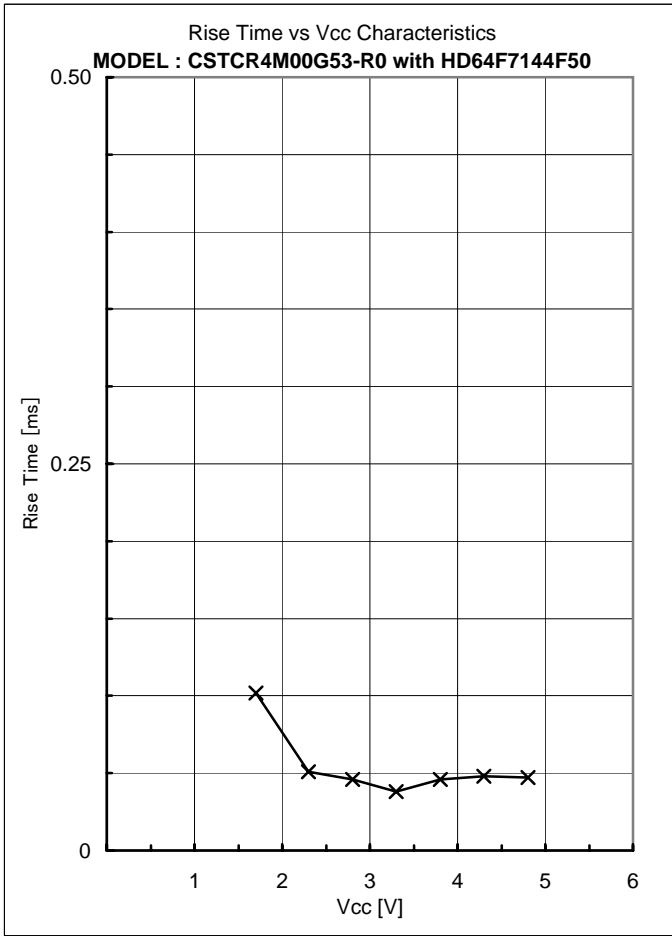
Test Circuit



- Xin : 74
- Xout: 72
- H : 21,37,65,77,80,100,103
- L : 3,23,33,39,55,61,71,82,90,97,101,109

- Recommended Value
- CERALOCK® : CSTCR4M00G53-R0
 - Vcc = 2.97 to 3.63 [V]
 - C1 = 15 [pF] (Typ.)
 - C2 = 15 [pF] (Typ.)
 - Ta = -40 to 85 [°C]





Appendixes

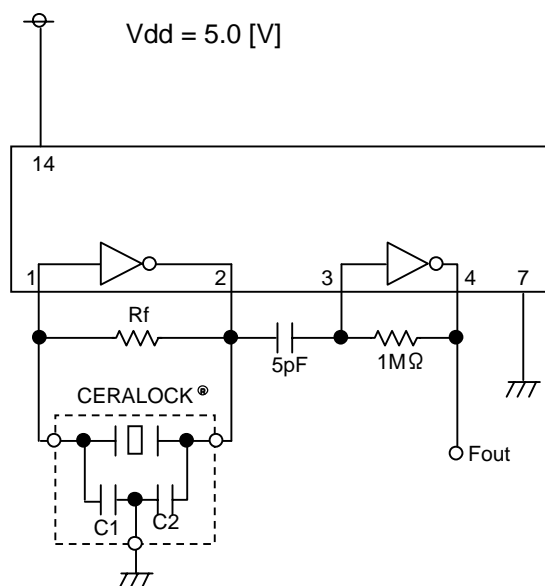
4. Frequency Correlation Data

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Frequency Correlation Data

Sample No.	HD64F7144F50 Fosc [kHz]	TC4069UBP Fosc [kHz]	Shift [%]
1	3996.208	3997.974	-0.0442
2	4003.855	4005.563	-0.0426
3	4000.987	4003.220	-0.0558
4	4001.166	4002.914	-0.0437
5	4003.337	4004.989	-0.0413
\bar{X}	4001.110	4002.932	-0.0455

muRata Standard Circuit



CERALOCK® : CSTCR4M00G53-R0

C1 = 15 [pF]

C2 = 15 [pF]

Rf = 1 [Mohm]