

Technical Data of Ceramic Resonator

(*)

New Part No. : CSTLS10M0G53-B0

Previous Part No. : CSTS1000MG03

Applied to HD64F7145F50

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

(*) Murata changed part number in June of 2001.




The new part number is shown on this sheet with previous part number.

TOYAMA MURATA MANUFACTURING CO., LTD.

Product Engineering Service Section I

Planning Department

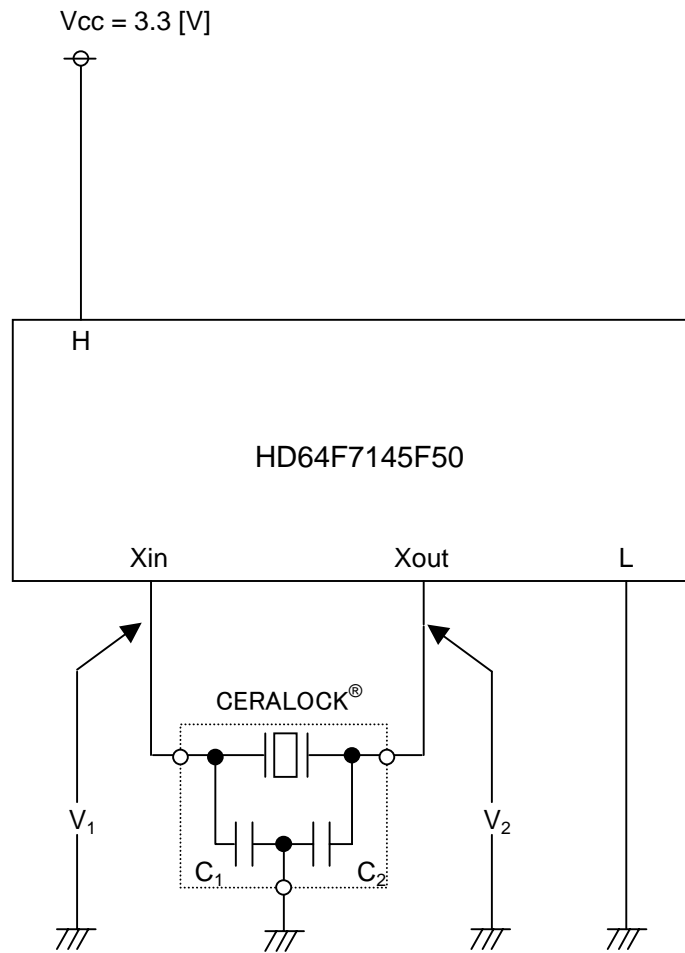
Piezoelectric Components Group

Approved by	Checked by	Checked by	Issued by	Issued Date	Data No.
 K.Terada	 K.Maruno	 K.Masaki	 K.Tagata	Sep 11, 2002	TCD-02-1681

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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

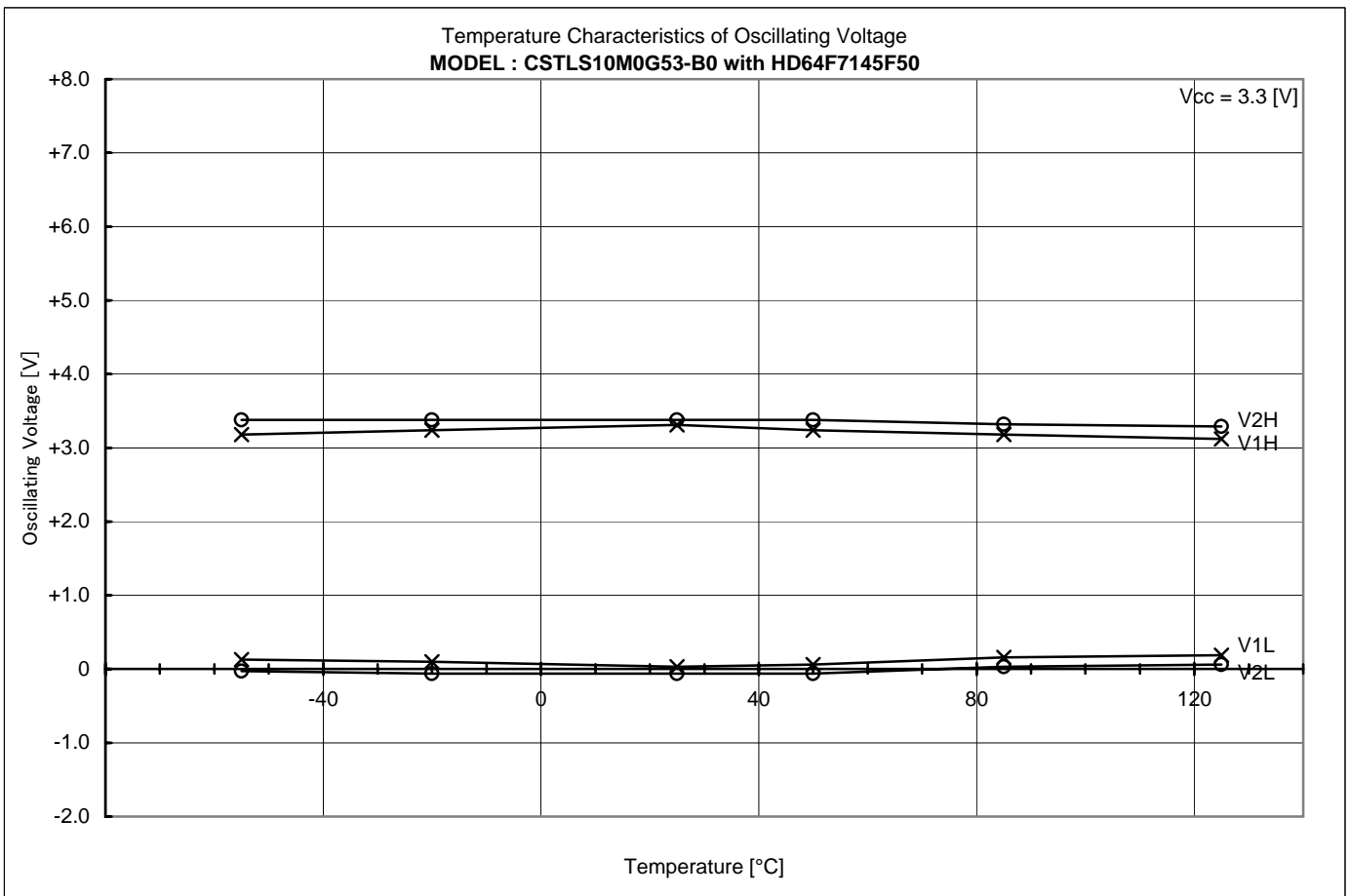
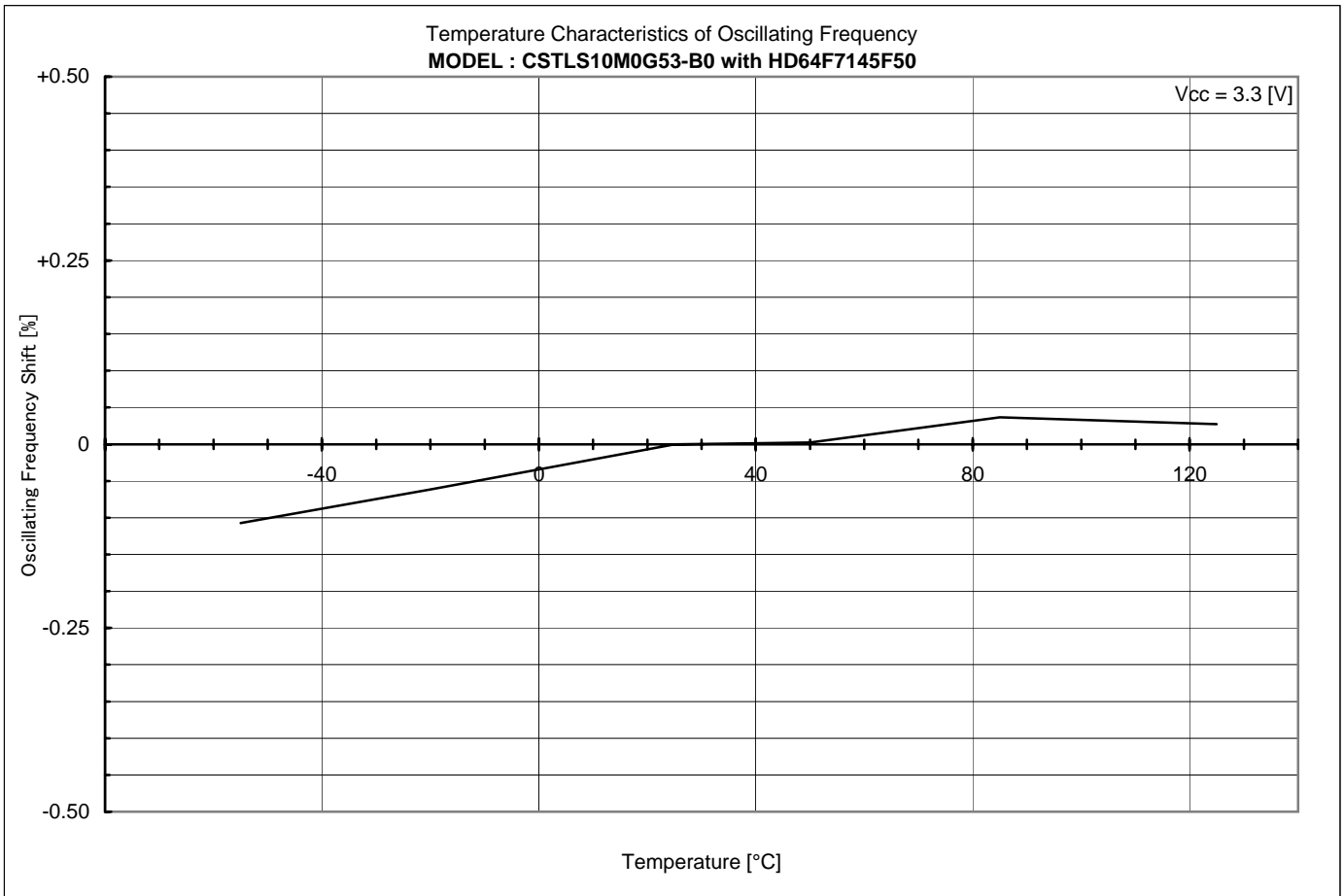
GERALOCK® : CSTLS10M0G53-B0

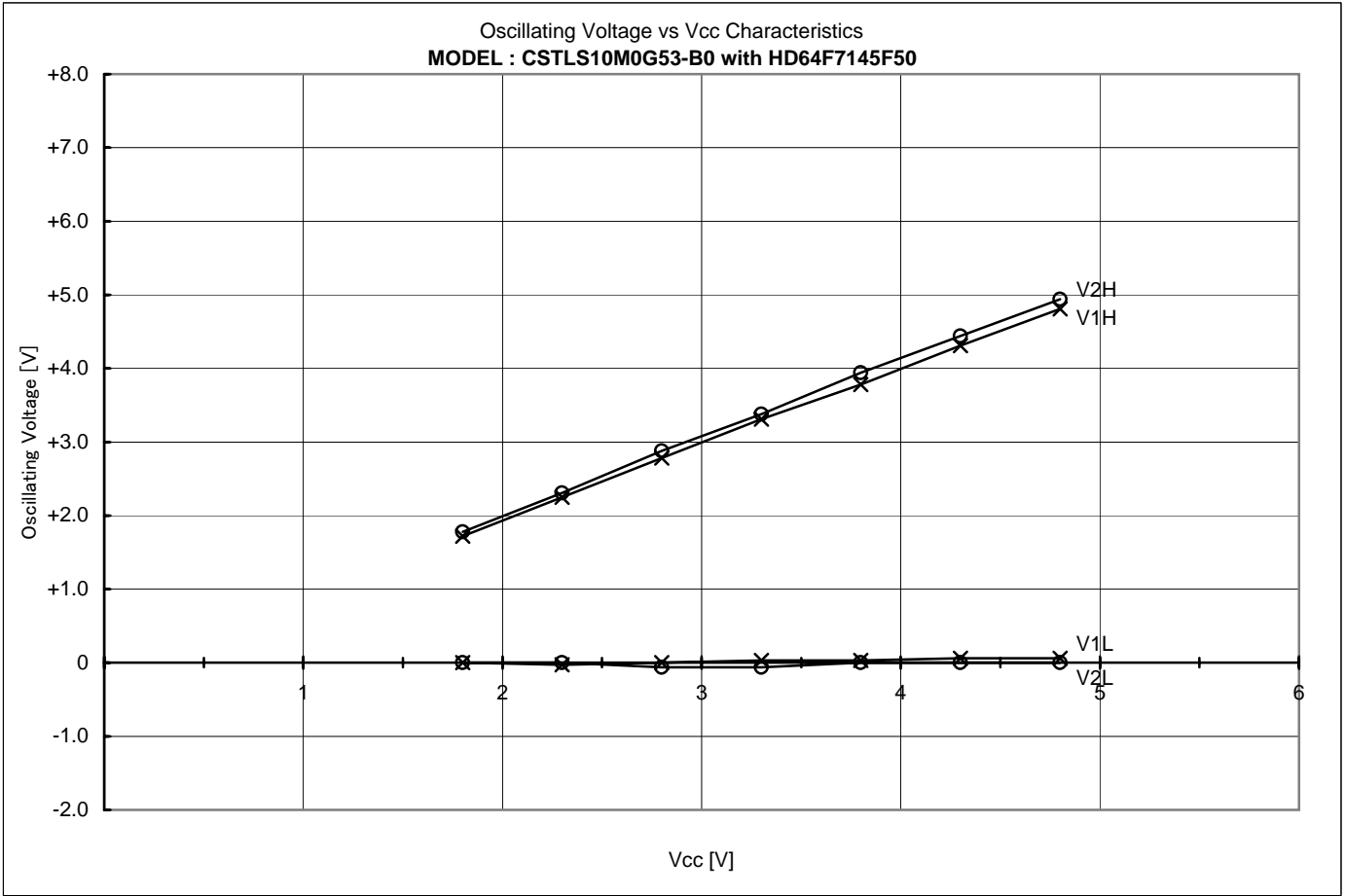
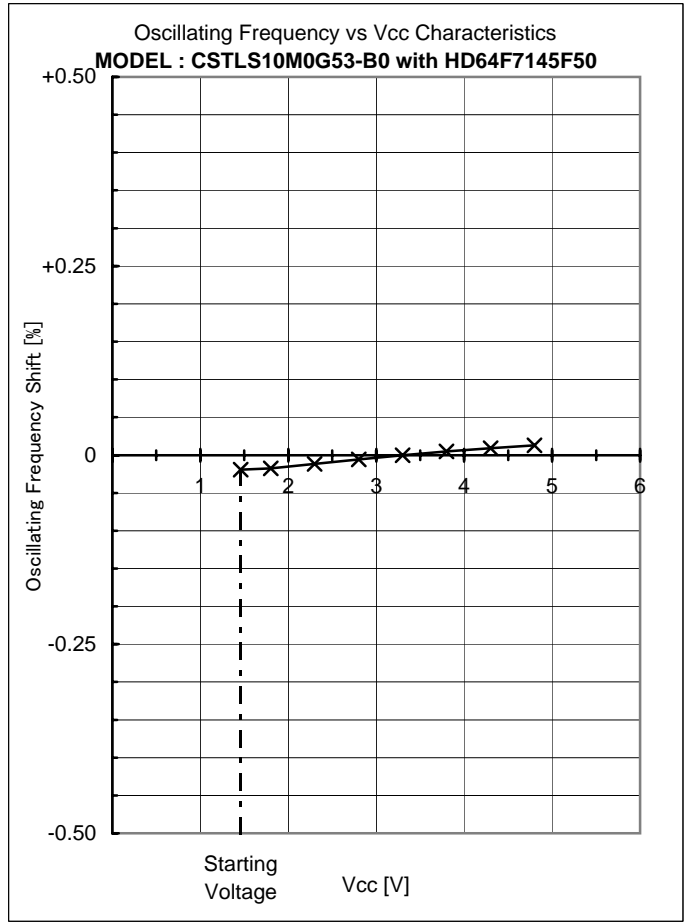
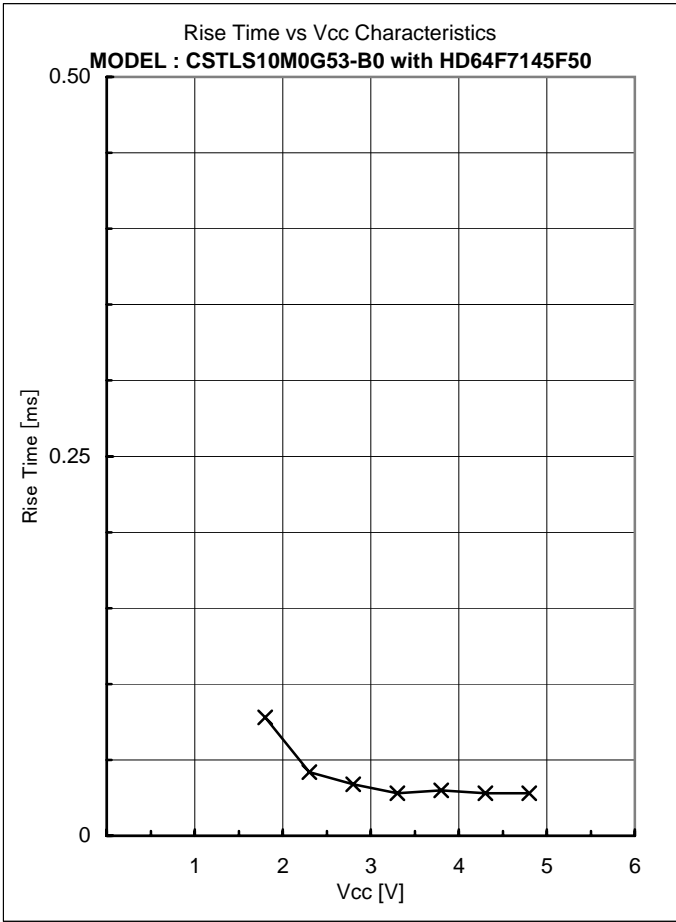
Vcc = 2.97 to 3.63 [V]

C1 = 15 [pF] (Typ.)

C2 = 15 [pF] (Typ.)

Ta = -40 to 85 [°C]





Appendixes

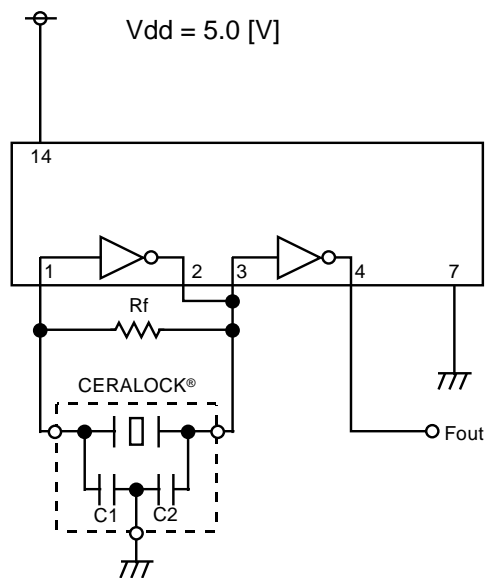
4. Frequency Correlation Data

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Frequency Correlation Data

Sample No.	HD64F7145F50 Fosc [kHz]	TC4069UBP Fosc [kHz]	Shift [%]
1	10046.276	10002.288	0.4398
2	10035.357	9992.075	0.4332
3	10031.134	9989.902	0.4127
4	10056.004	10012.716	0.4323
5	10038.992	9995.364	0.4365
— X	10041.553	9998.469	0.4309

muRata Standard Circuit



CERALOCK® : CSTLS10M0G53-B0

C1 = 15 [pF]

C2 = 15 [pF]

Rf = 1 [Mohm]