

Technical Data of Ceramic Resonator

(\*)

New Part No. : CSTLS4M00G53-B0

Previous Part No. : CSTS0400MG03

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

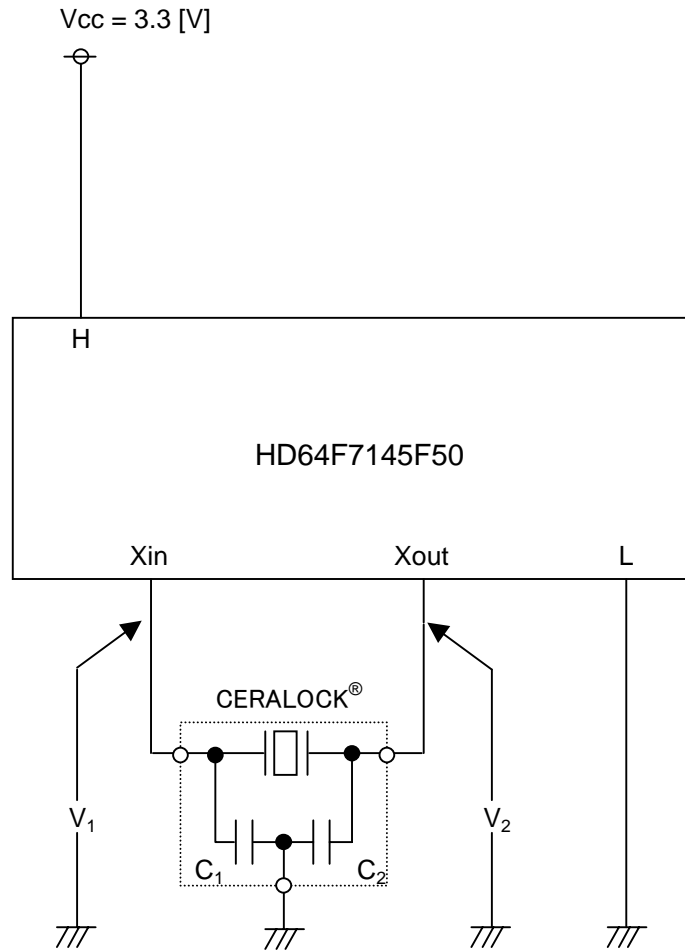
Piezoelectric Components Group

Approved by	Checked by	Checked by	Issued by	Issued Date	Data No.
 K.Terada	 K.Maruno	 K.Masaki	 K.Tagata	Sep 11, 2002	TCD-02-1677

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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

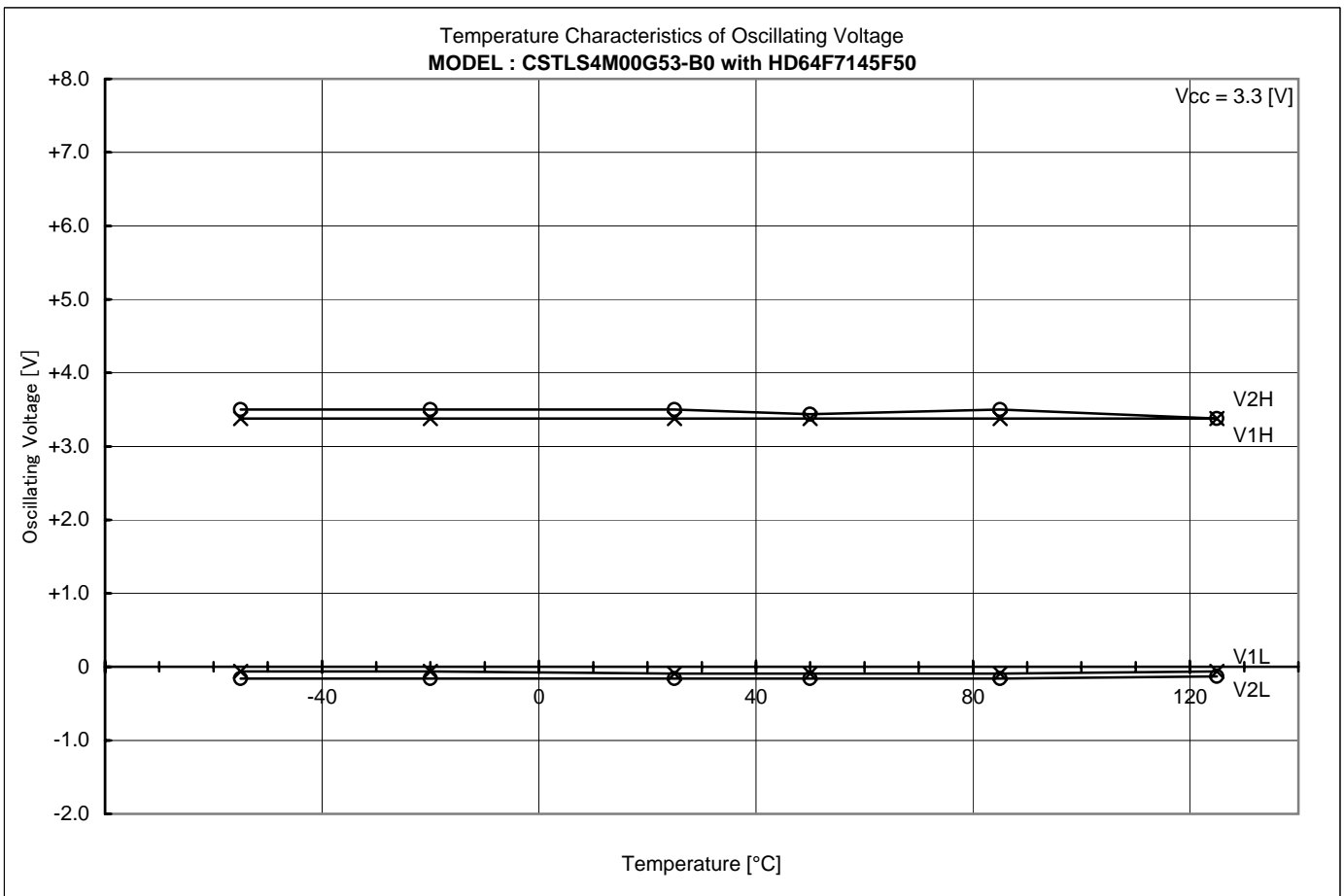
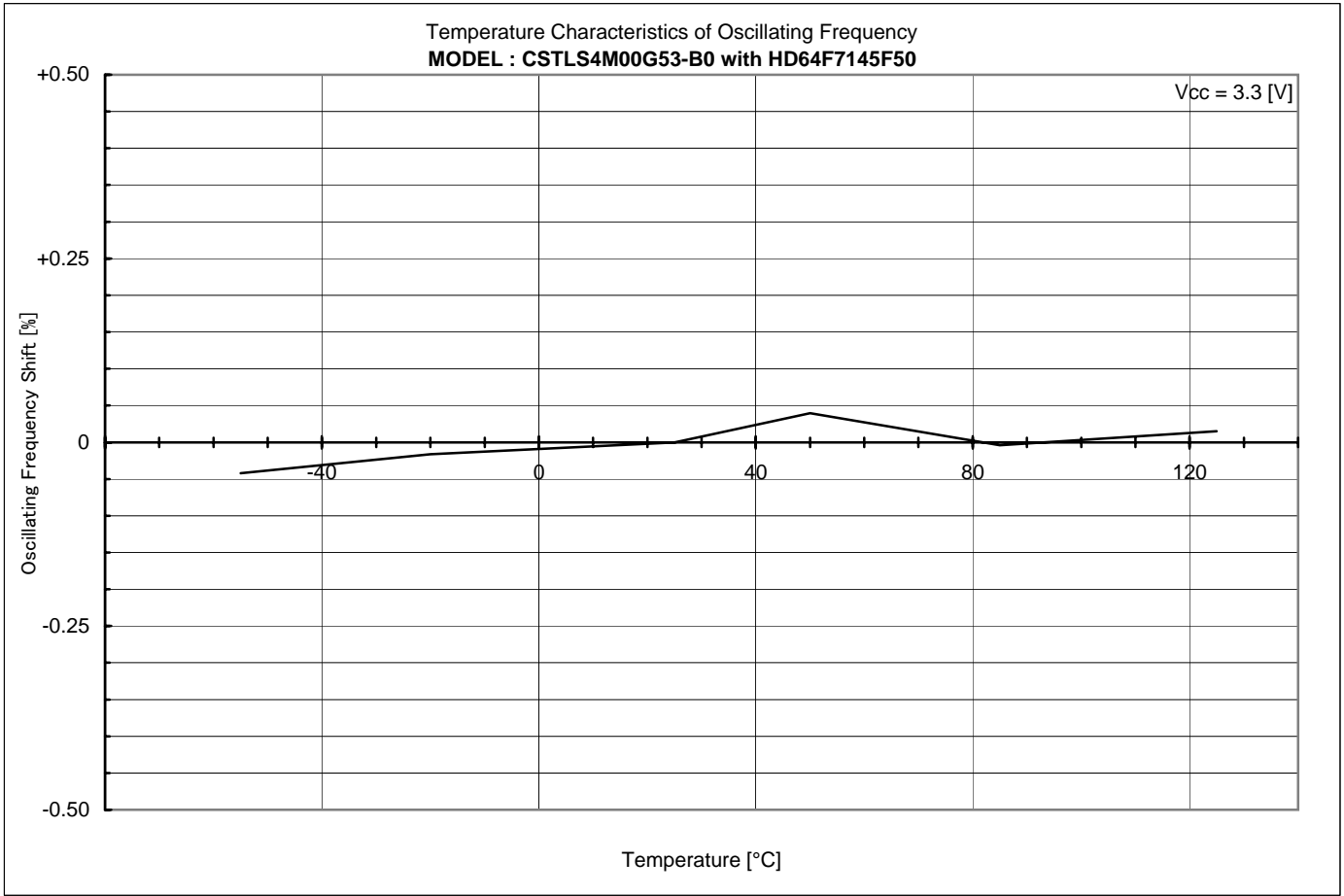
GERALOCK® : CSTLS4M00G53-B0

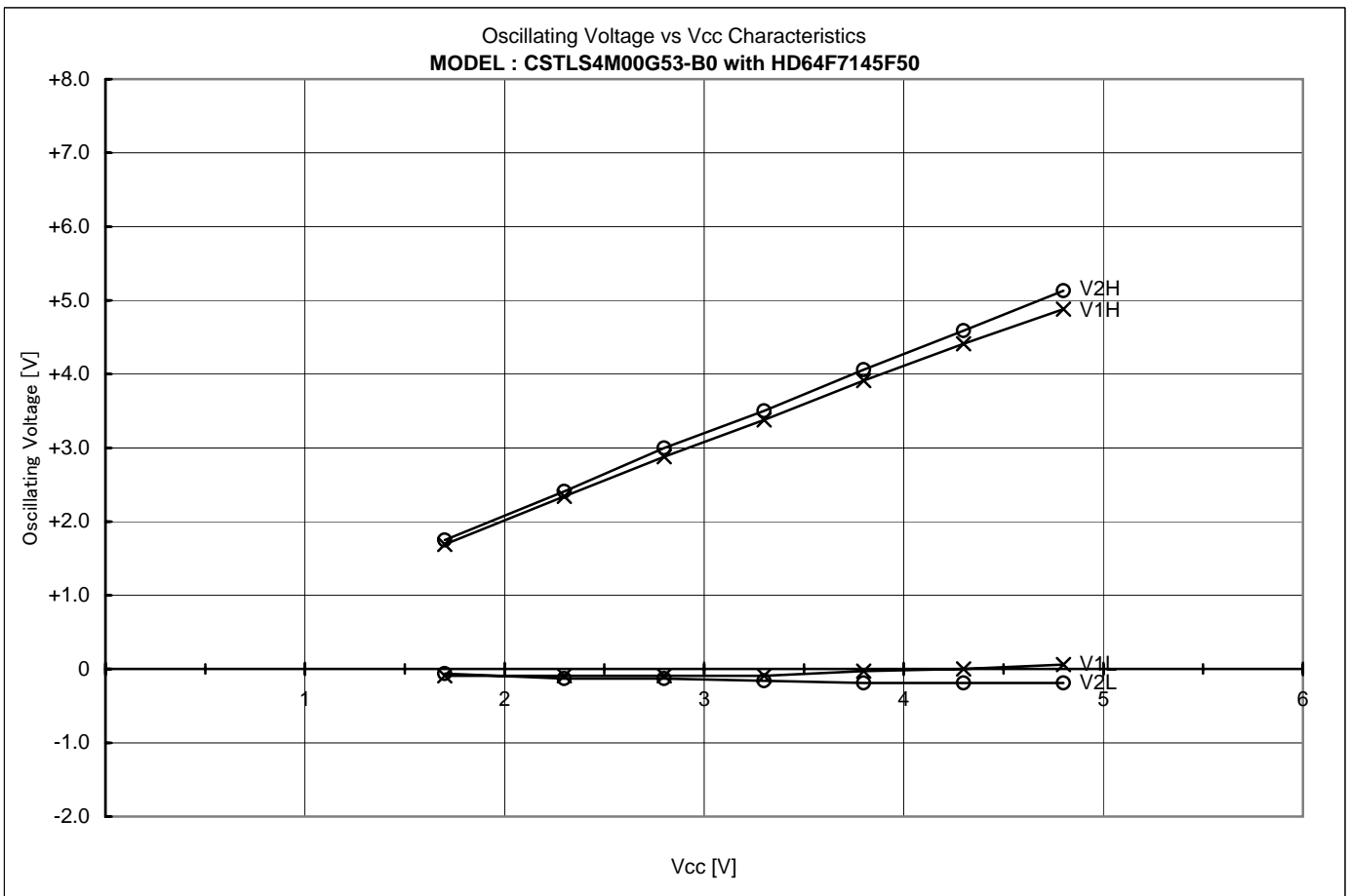
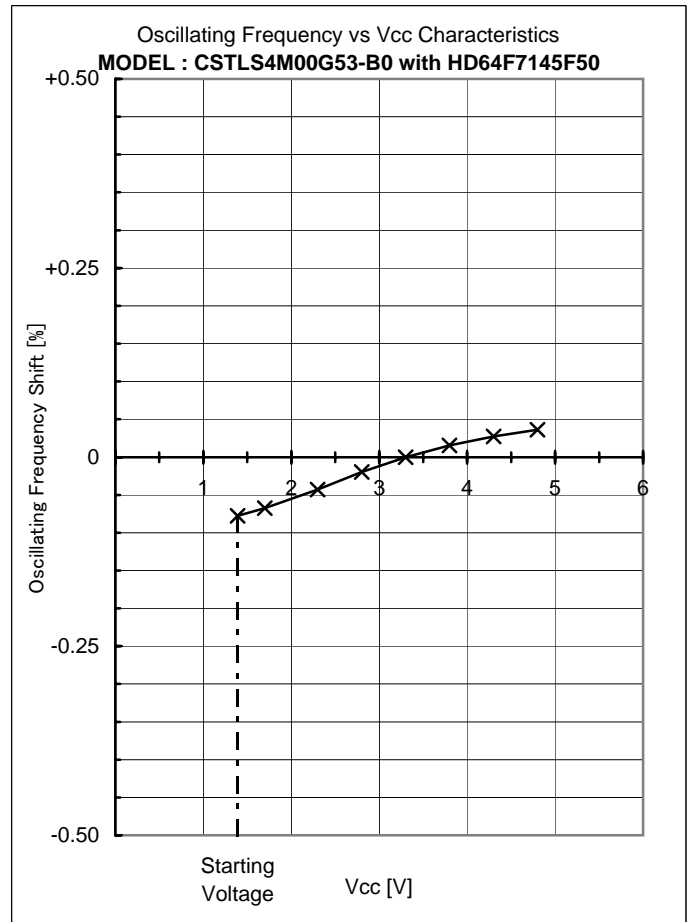
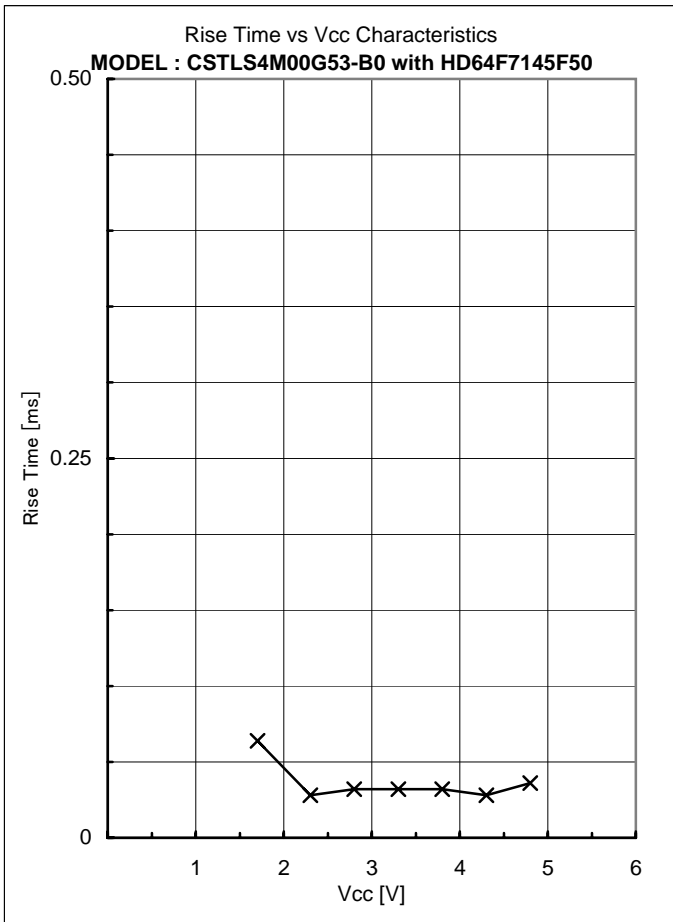
Vcc = 2.97 to 3.63 [V]

C1 = 15 [pF] (Typ.)

C2 = 15 [pF] (Typ.)

Ta = -40 to 85 [°C]







## Appendixes

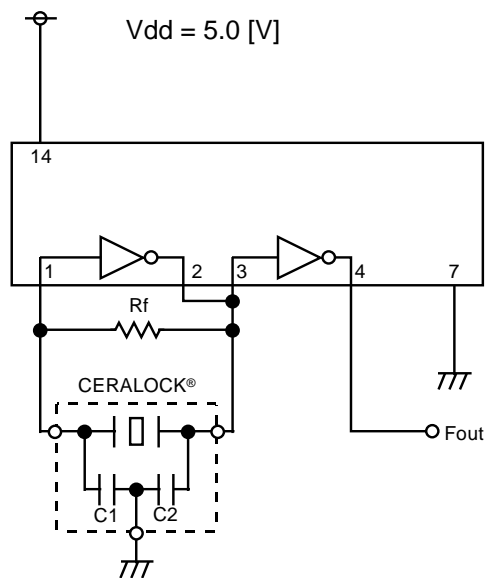
### 4. Frequency Correlation Data

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### Frequency Correlation Data

Sample No.	HD64F7145F50 Fosc [kHz]	TC4069UBP Fosc [kHz]	Shift [%]
1	4024.101	4003.956	0.5031
2	4024.088	4004.915	0.4787
3	4024.859	4005.728	0.4776
4	4026.137	4005.743	0.5091
5	4023.270	4003.934	0.4829
- X	4024.491	4004.855	0.4903

### muRata Standard Circuit



CERALOCK® : CSTLS4M00G53-B0

C1 = 15 [pF]

C2 = 15 [pF]

R<sub>f</sub> = 1 [Mohm]