

Technical Data of Ceramic Resonator

MURATA Part No.: CSTCE8M00G52-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

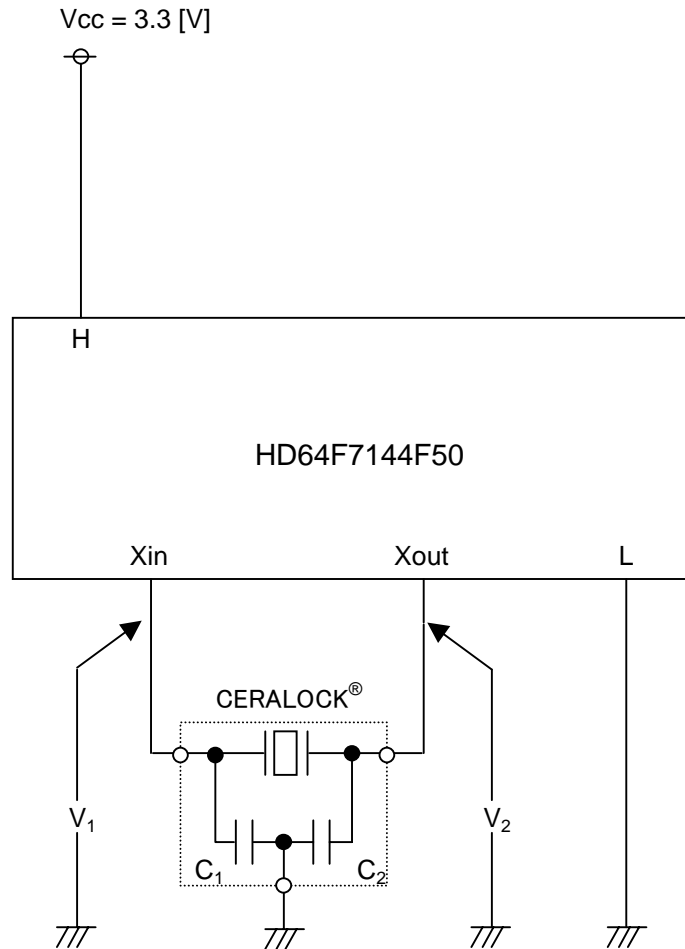
Piezoelectric Components Group

Approved by	Checked by	Checked by	Issued by	Issued Date	Data No.
 K.Terada	 K.Maruno	 K.Masaki	 K.Tagata	Sep 11, 2002	TCD-02-1671

Contents

1.	Test Circuit	1
2.	Temperature Characteristics of Oscillating Frequency, Oscillating Voltage	2
3.	Rise Time, Oscillating Frequency, Oscillating Voltage vs Vcc Characteristics	3

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

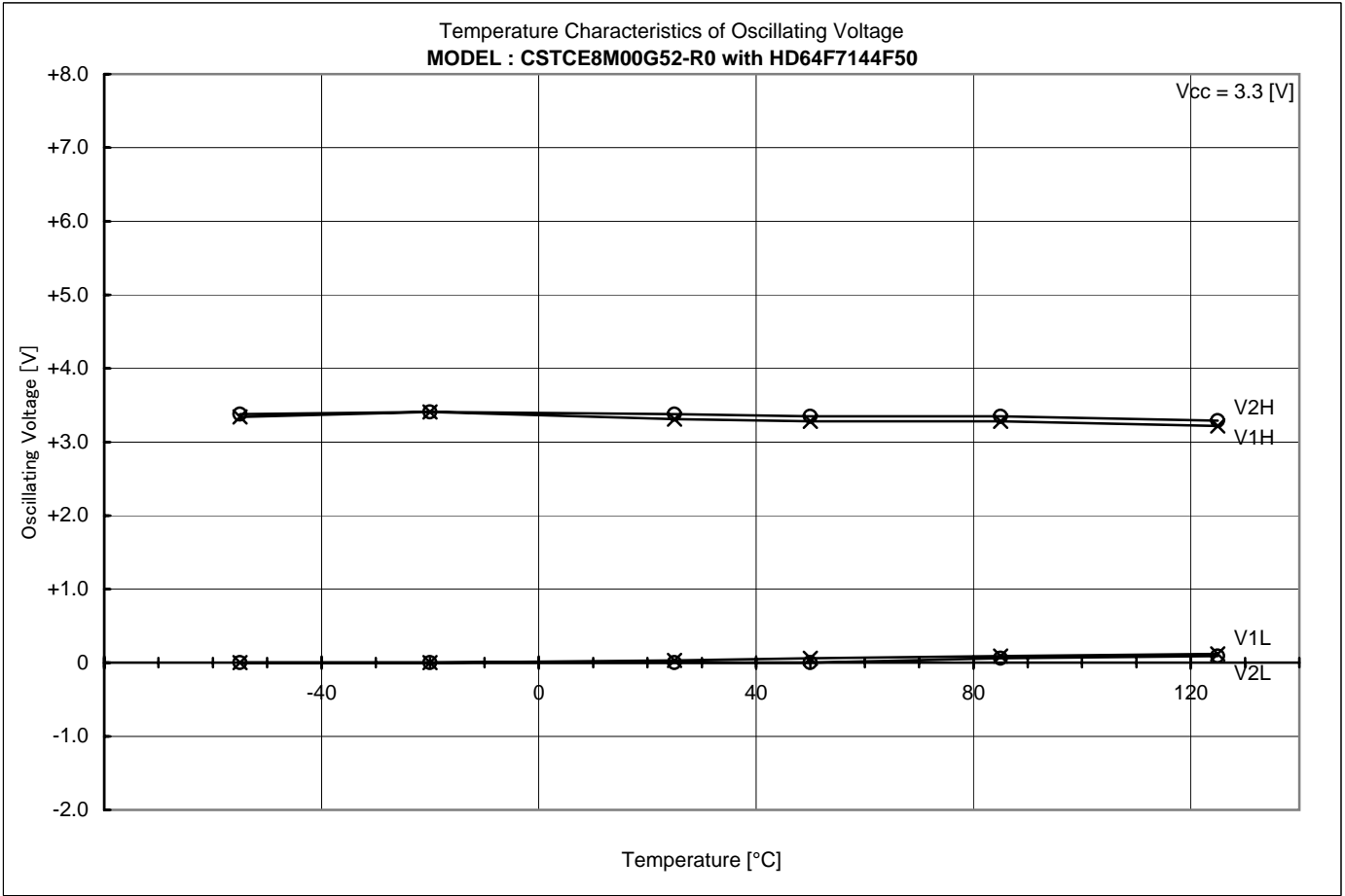
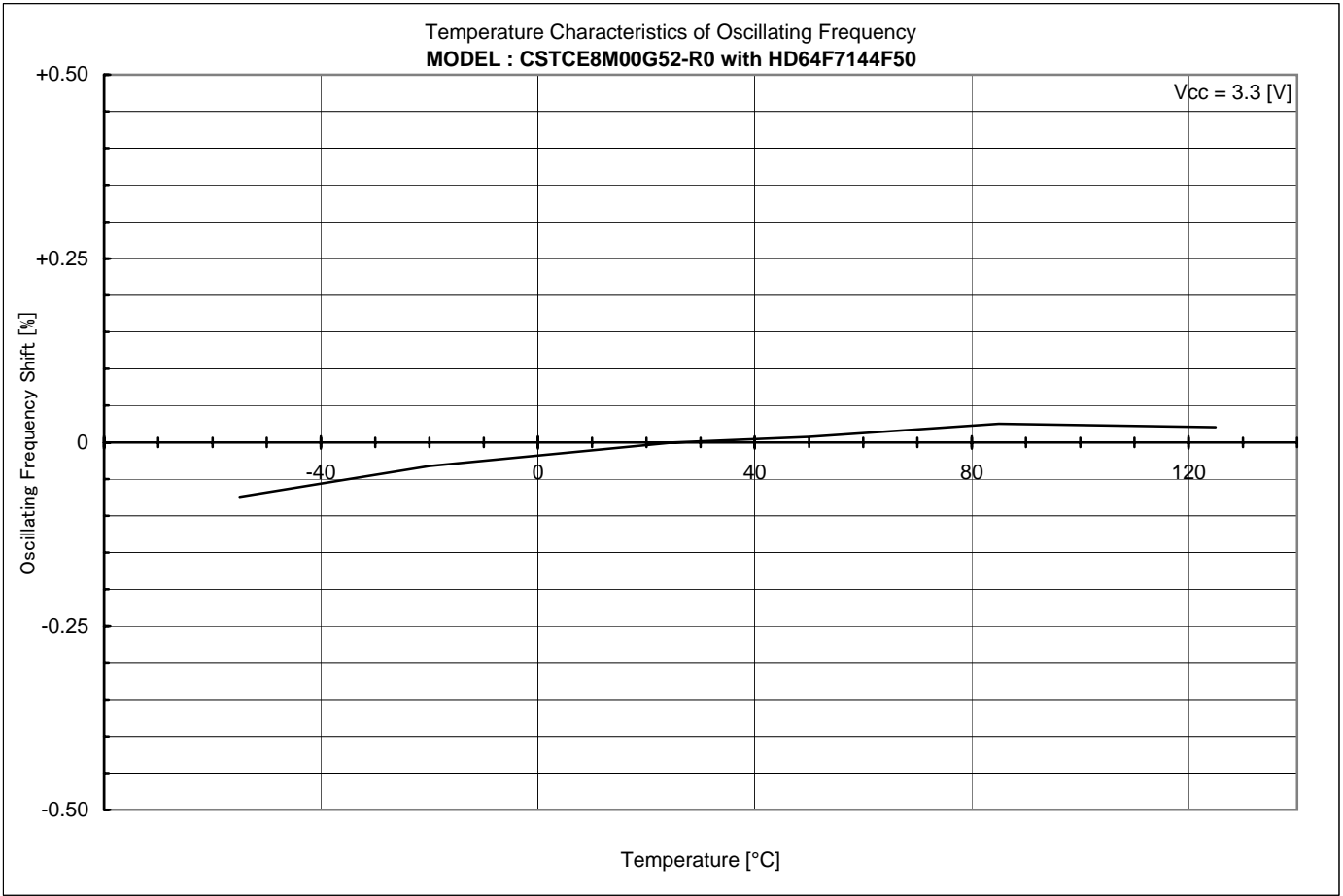
GERALOCK® : CSTCE8M00G52-R0

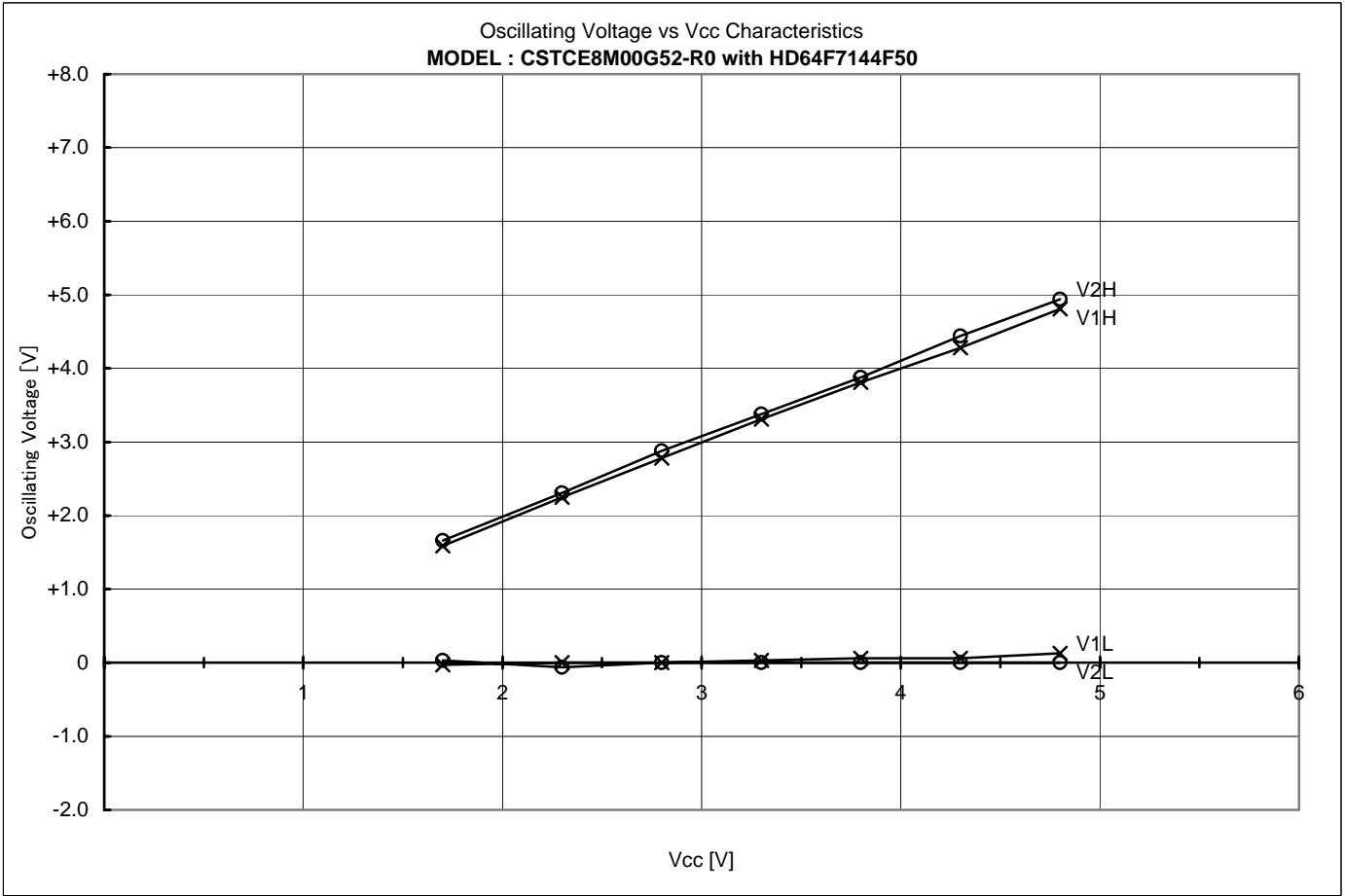
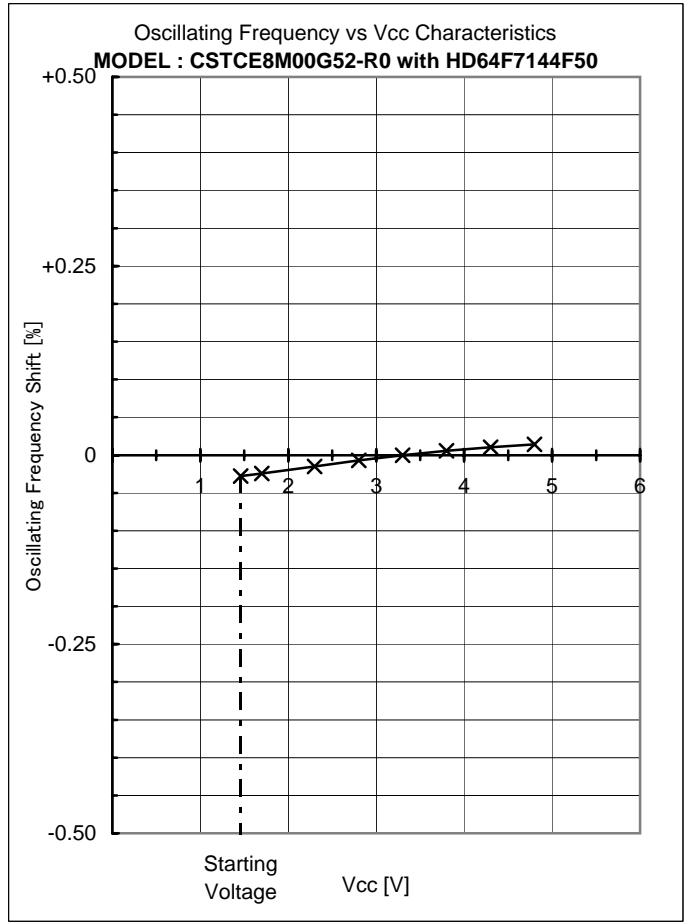
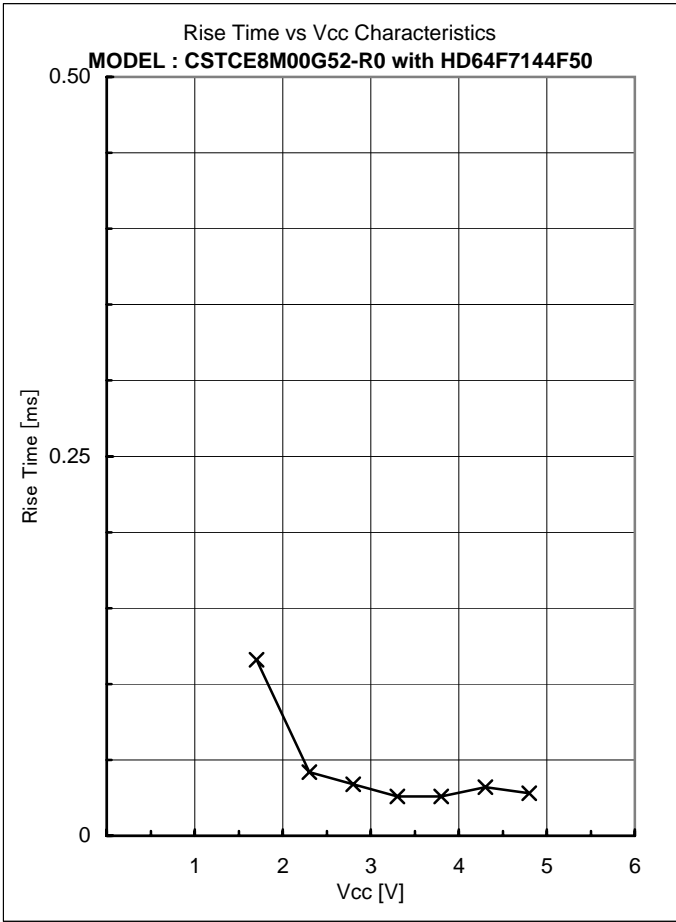
Vcc = 2.97 to 3.63 [V]

C1 = 10 [pF] (Typ.)

C2 = 10 [pF] (Typ.)

Ta = -40 to 85 [°C]





Appendixes

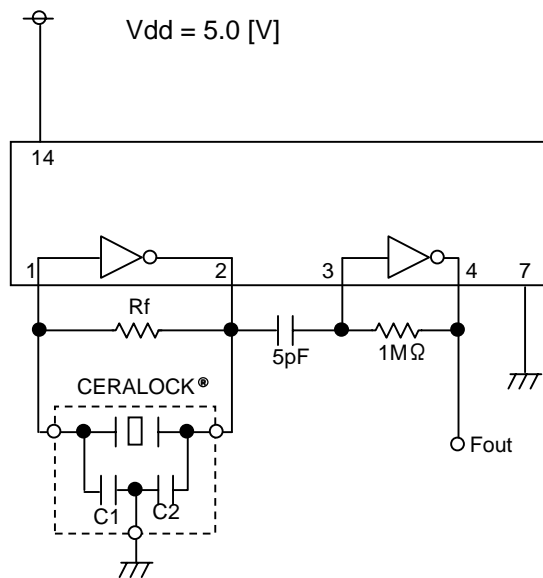
4. Frequency Correlation Data

4

Frequency Correlation Data

Sample No.	HD64F7144F50 Fosc [kHz]	TC4069UBP Fosc [kHz]	Shift [%]
1	8024.420	8018.300	0.0763
2	8016.376	8008.600	0.0971
3	8016.786	8012.300	0.0560
4	8018.018	8011.100	0.0864
5	8027.997	8022.000	0.0748
- X	8020.719	8014.460	0.0781

muRata Standard Circuit



CERALOCK® : CSTCE8M00G52-R0

C1 = 10 [pF]

C2 = 10 [pF]

Rf = 1 [Mohm]