

Technical Data of Ceramic Resonator

MURATA Part No.: CSTCE12M5G15A()-R0

Applied to HD64F7047F50

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

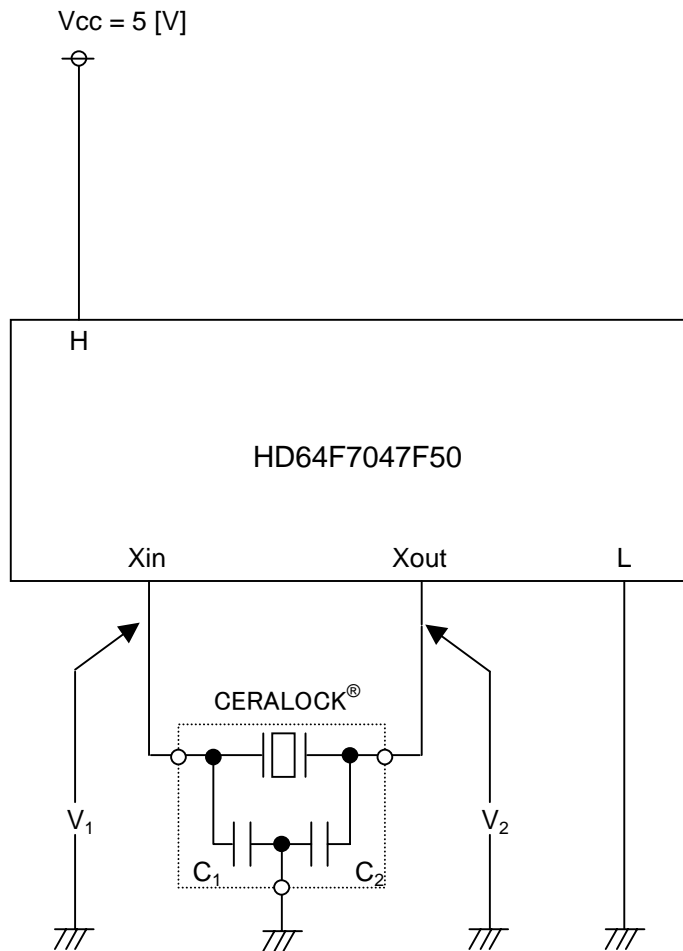
Piezoelectric Components Group

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



Xin : 96

Xout: 97

H : 15,33,46,53,72,84,85

L : 13,29,30,49,50,74,82,87

Recommended Value

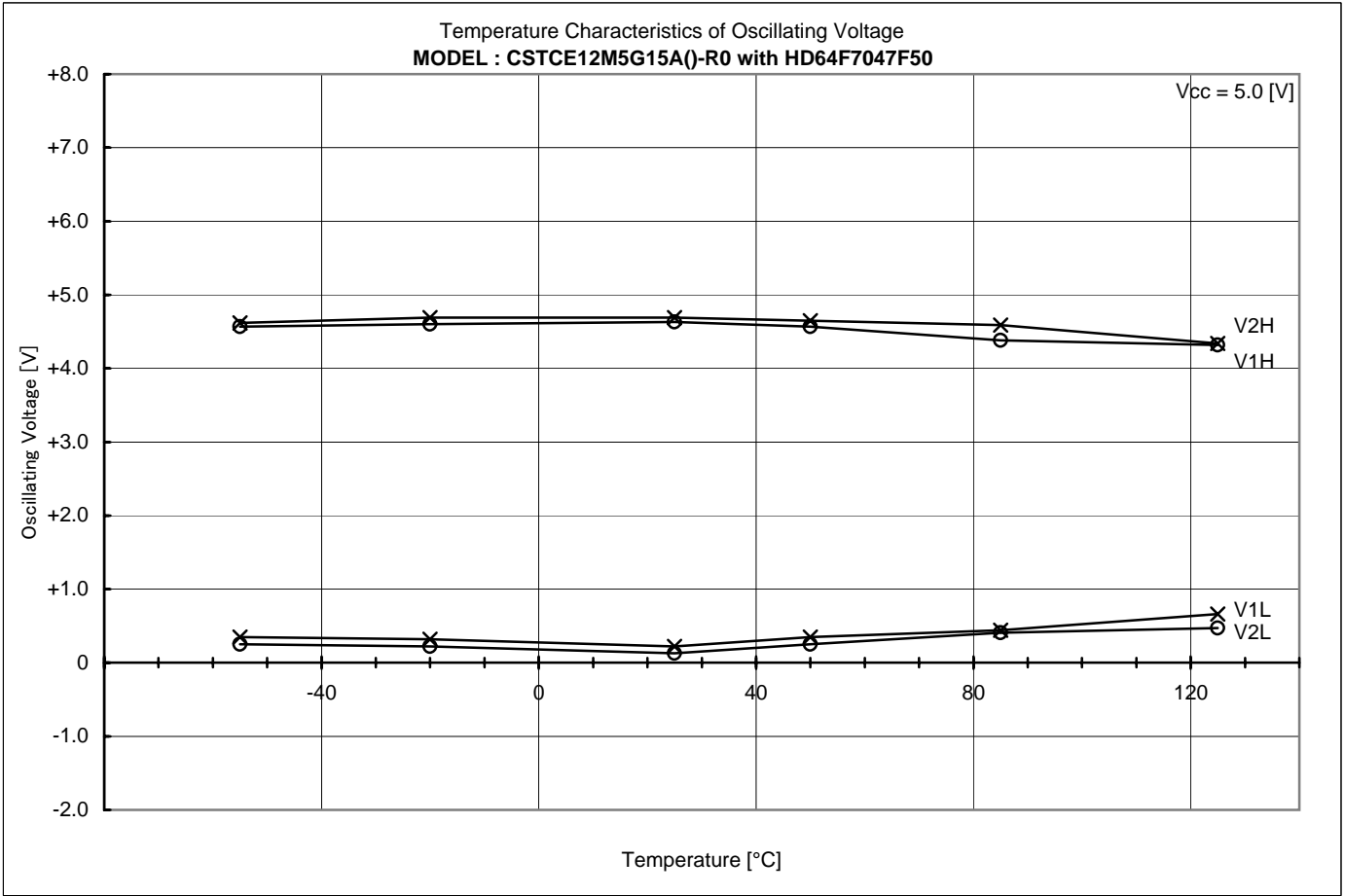
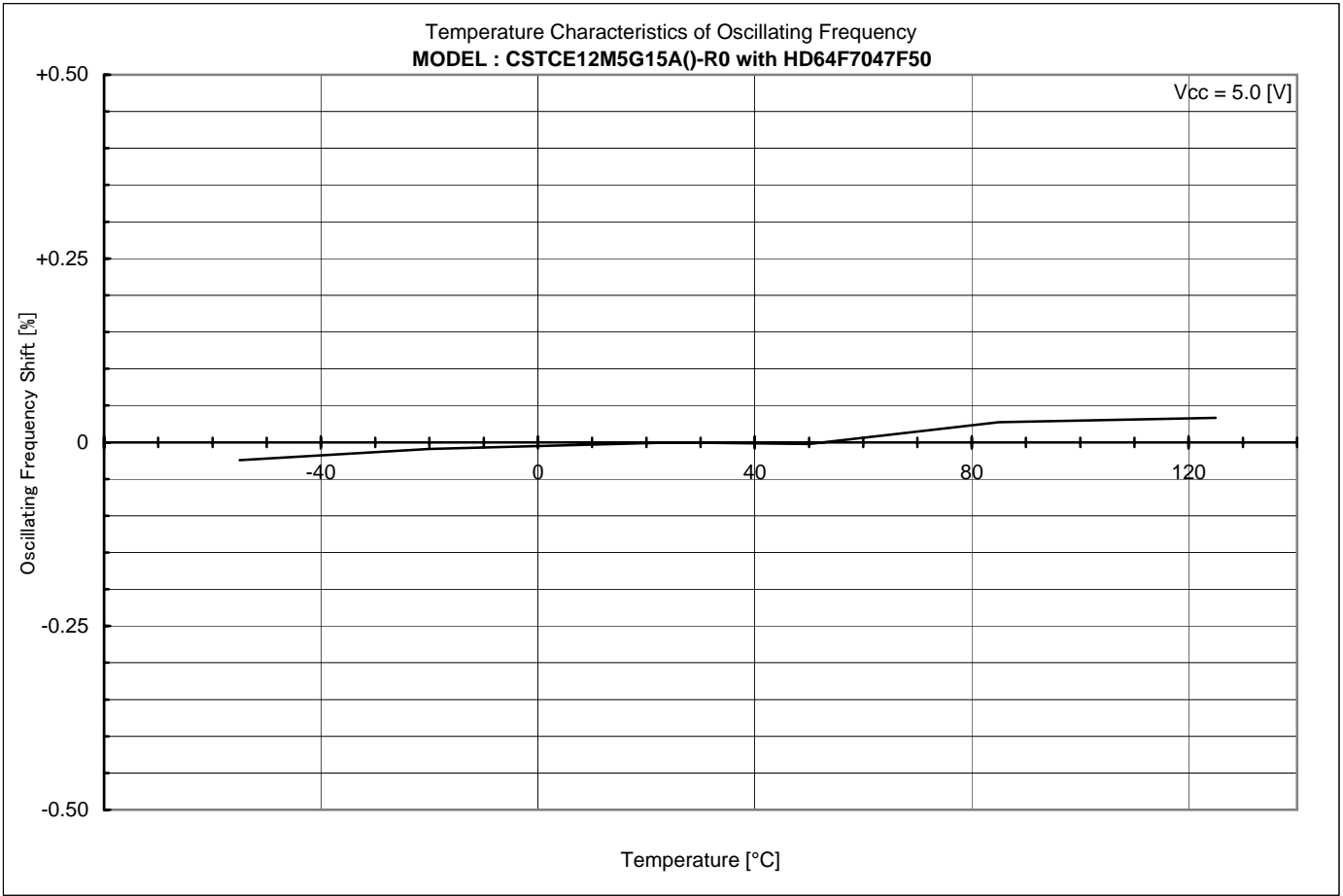
GERALOCK® : CSTCE12M5G15A()-R0

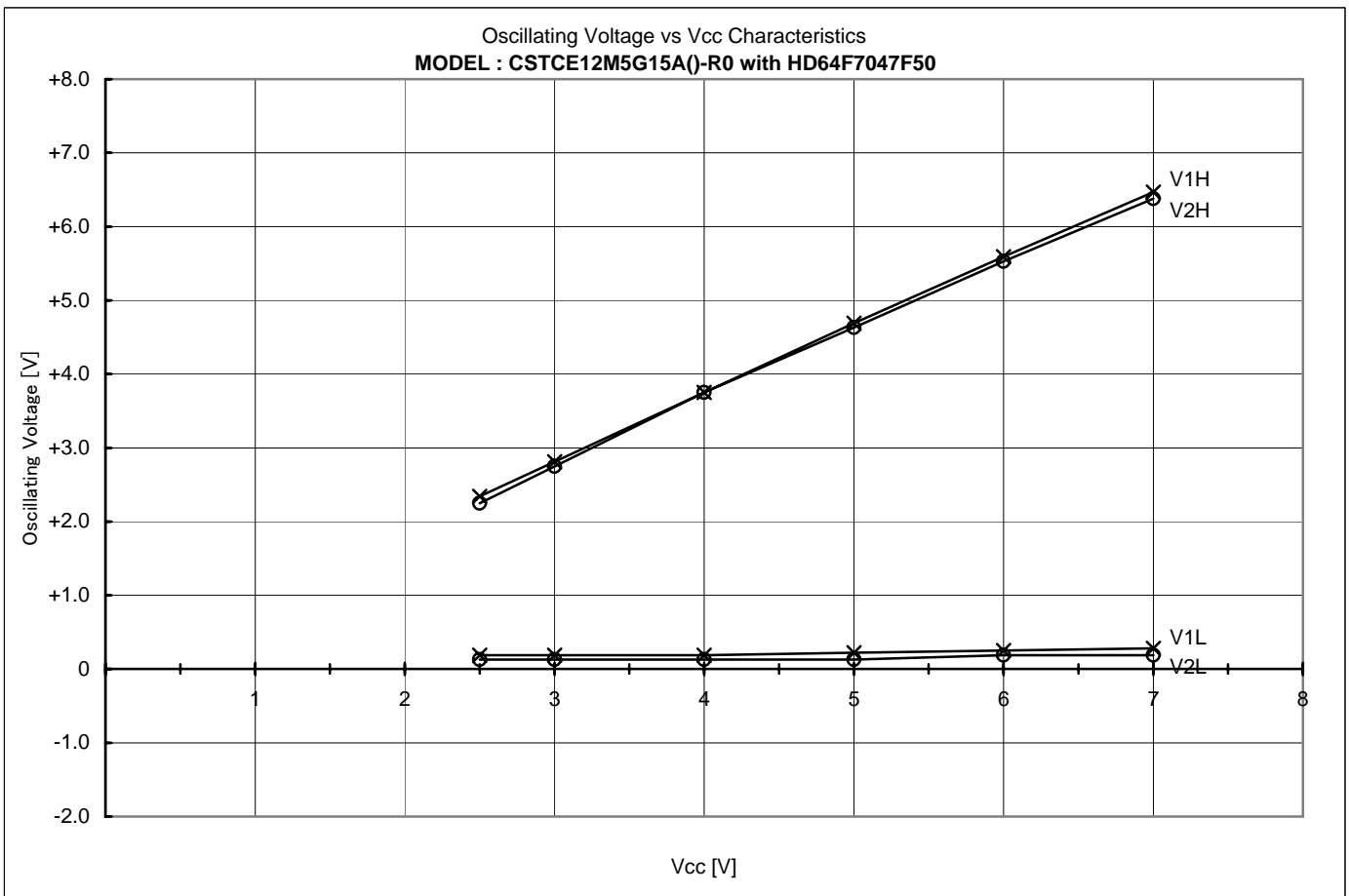
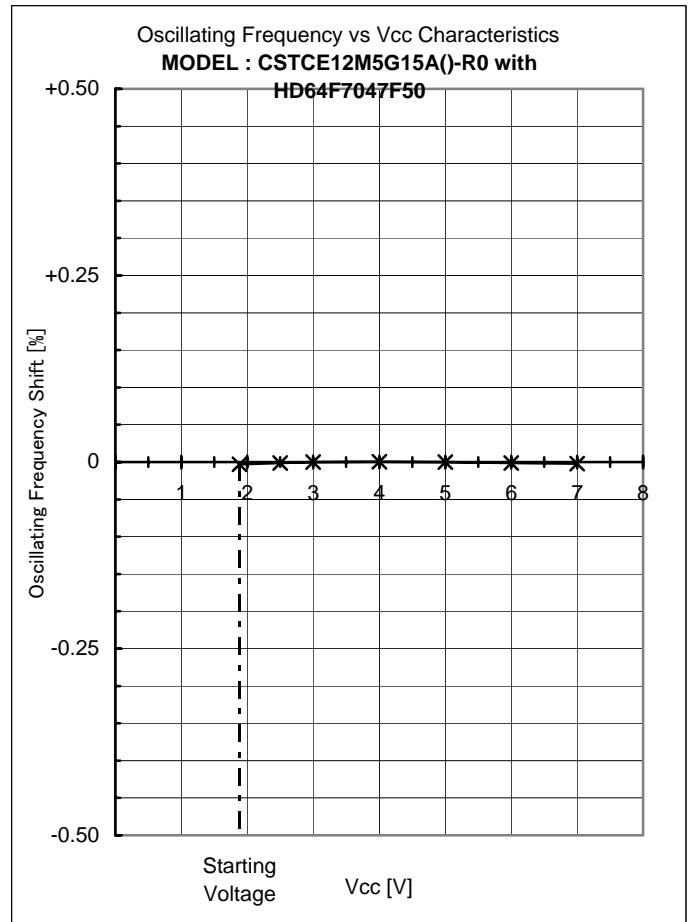
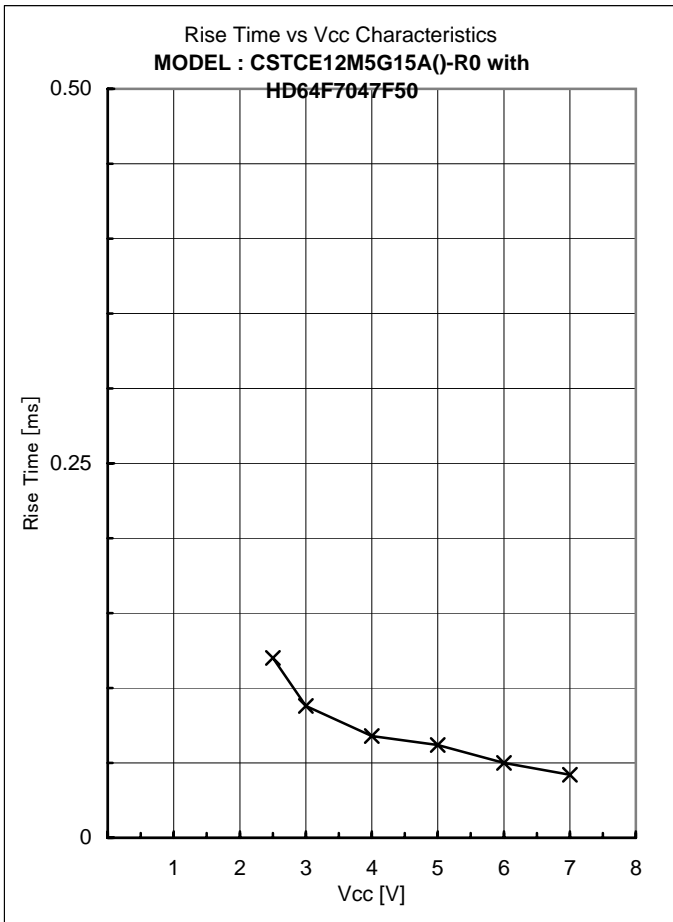
Vcc = 4.5 to 5.5 [V]

C1 = 33 [pF] (Typ.)

C2 = 33 [pF] (Typ.)

Ta = -40 to 85 [°C]





Appendixes

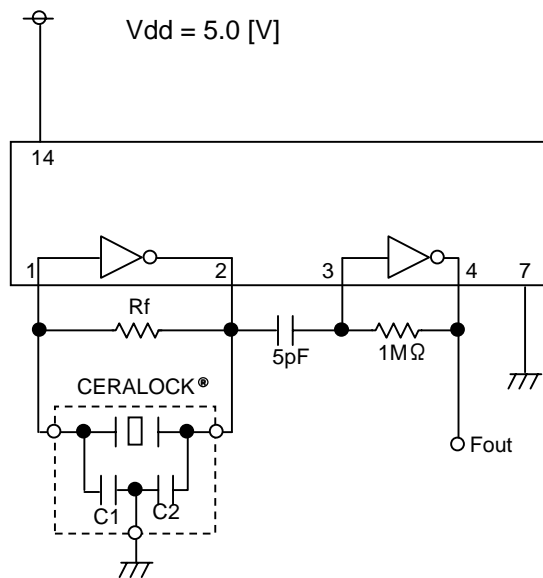
4. Frequency Correlation Data

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Frequency Correlation Data

Sample No.	HD64F7047F50 Fosc [kHz]	TC74HCU04 Fosc [kHz]	Shift [%]
1	12013.162	12018.500	-0.0444
2	12008.046	12011.700	-0.0304
3	12012.286	12016.100	-0.0317
4	11975.171	11980.100	-0.0411
5	12015.584	12018.900	-0.0276
-			
X	12004.850	12009.060	-0.0351

muRata Standard Circuit



CERALOCK® : CSTCE12M0G15A()-R0

C1 = 33[pF]

C2 = 33[pF]

Rf = 1[Mohm]

Rd = 330[ohm]