




Technical Data of Ceramic Resonator

MURATA Part No.: CSTCE10M0G52-R0

Applied to HD64F38602R

TOYAMA MURATA MANUFACTURING CO., LTD.

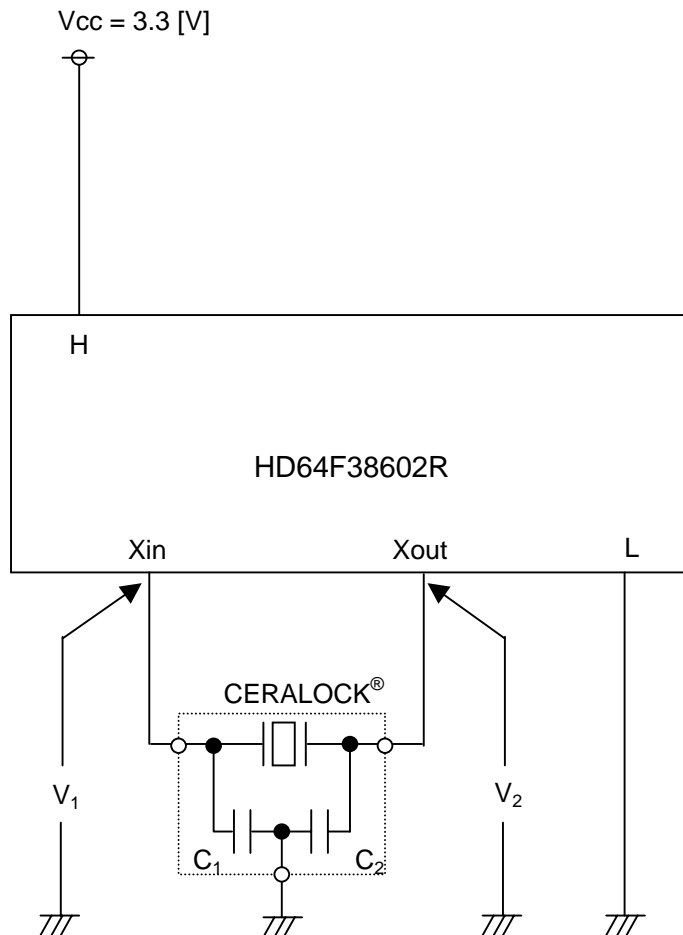
Product Engineering Service Section VI
Piezoelectric Planning & Market Promotion Department II
Piezoelectric Components Division
Device Unit

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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 : 7
 Xout: 5
 H : 1,8
 L : 4,6

Recommended Value

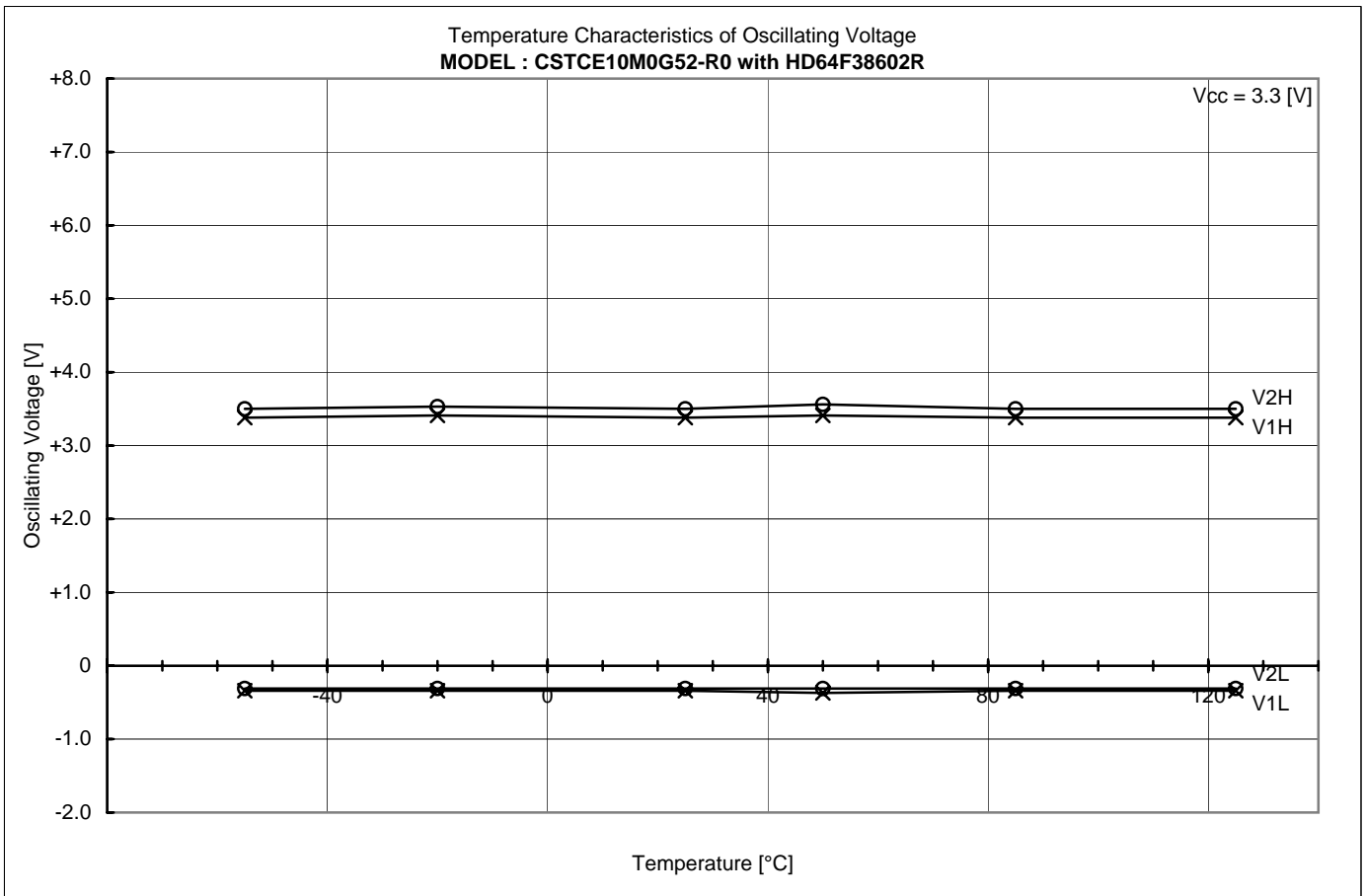
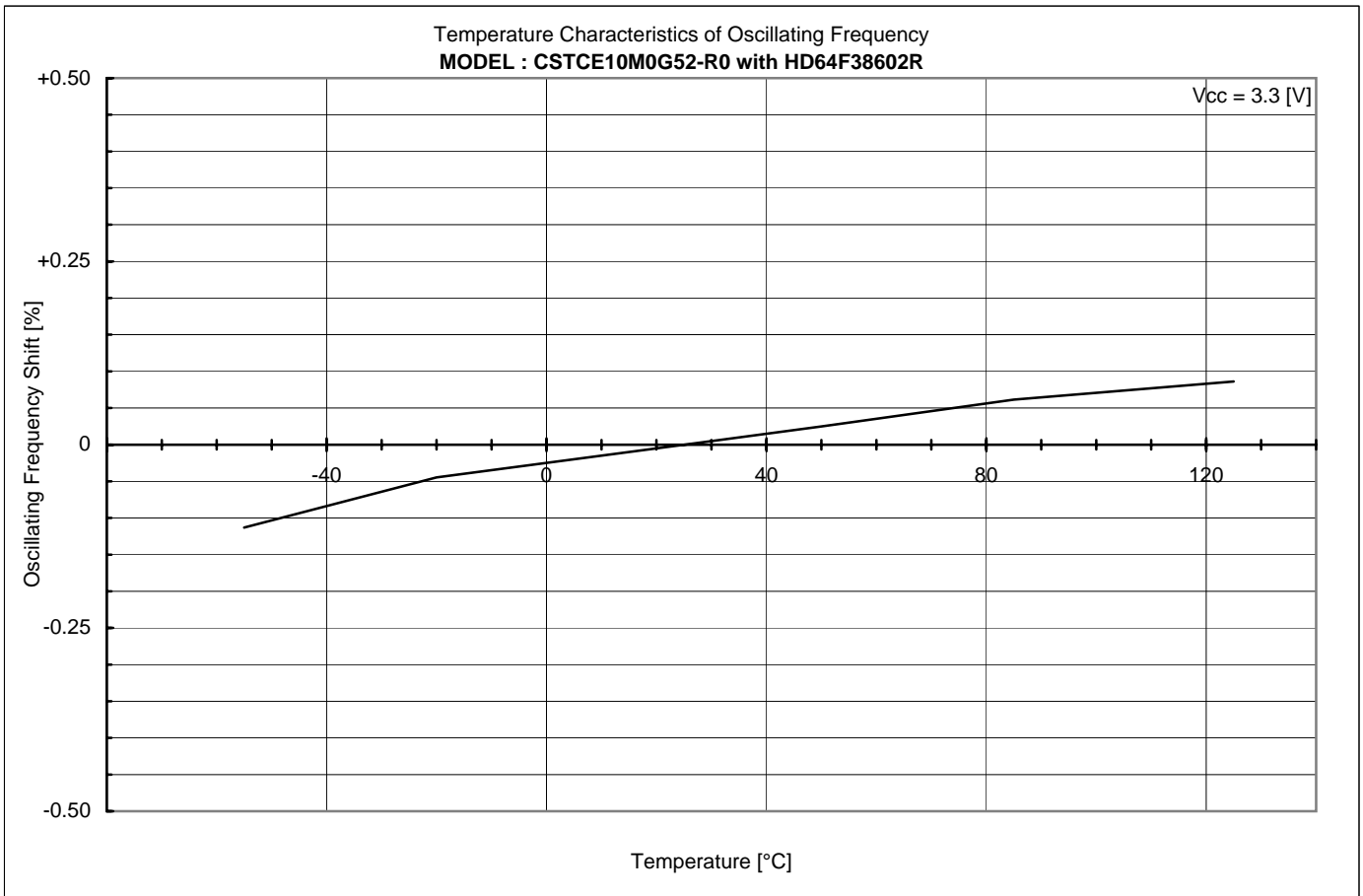
CERALOCK[®] : CSTCE10M0G52-R0

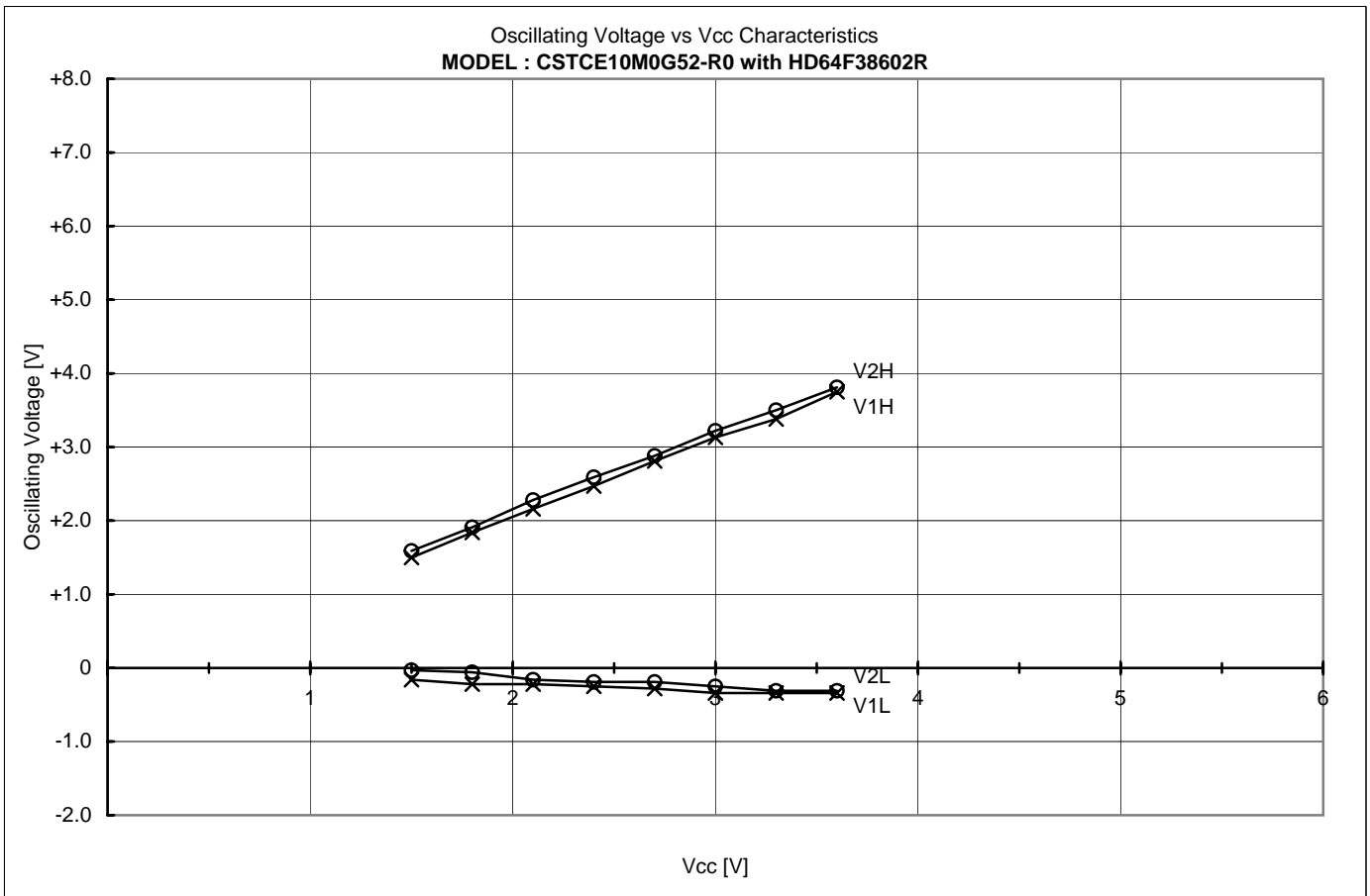
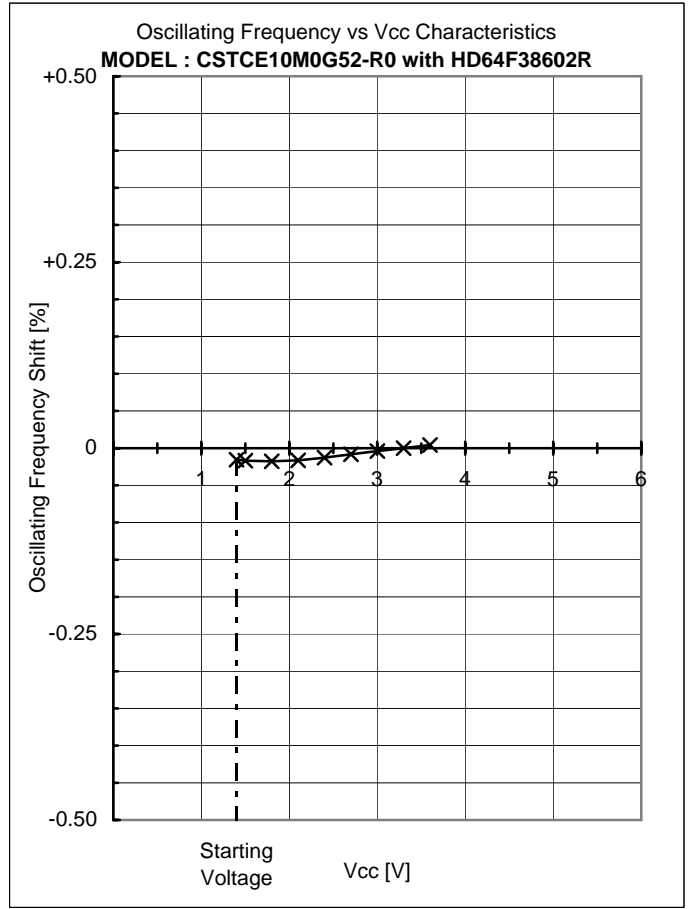
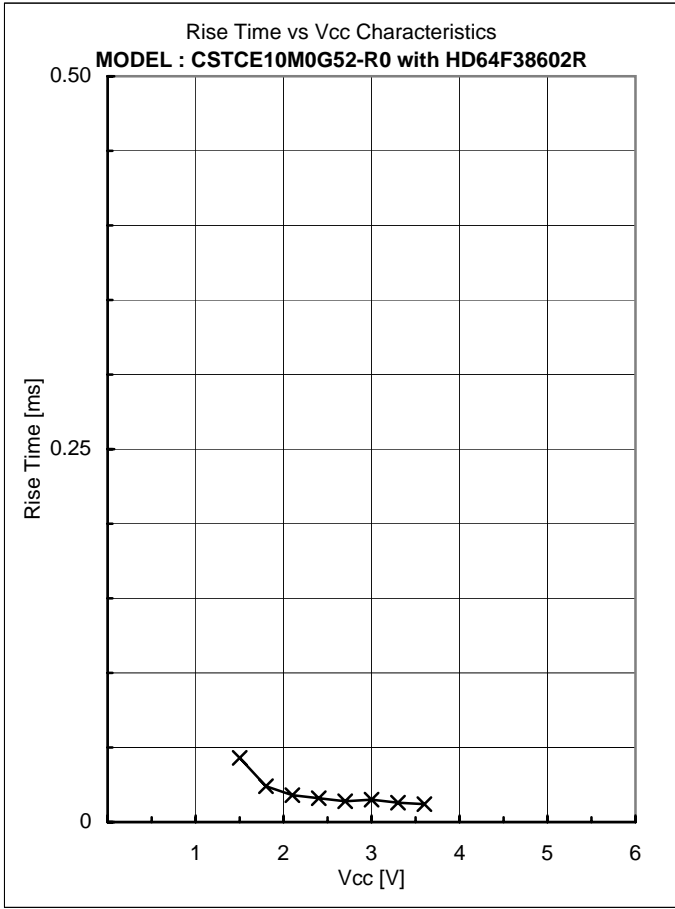
Vcc = 2.7 to 3.6 [V]

C1 = 10 [pF] (Typ.)

C2 = 10 [pF] (Typ.)

Ta = -40 to 85 [°C]





Appendixes

4. Comparison Table

4

Comparison Table

IC : No	V1H [V]	V1L [V]	V1p-p [V]	V2H [V]	V2L [V]	V2p-p [V]	Fosc [kHz]	Trise [ms]	Vstart [V]
WS	3.38	-0.34	3.72	3.50	-0.31	3.81	10011.536	0.013	1.40
NHPL	3.38	-0.03	3.41	3.53	-0.31	3.84	10012.019	0.014	1.35
NLPH	3.38	-0.34	3.72	3.50	-0.31	3.81	10010.907	0.014	1.44
SG-S	3.44	-0.34	3.78	3.50	-0.31	3.81	10011.837	0.014	1.40
SG-F	3.38	-0.34	3.72	3.50	-0.31	3.81	10011.671	0.014	1.40

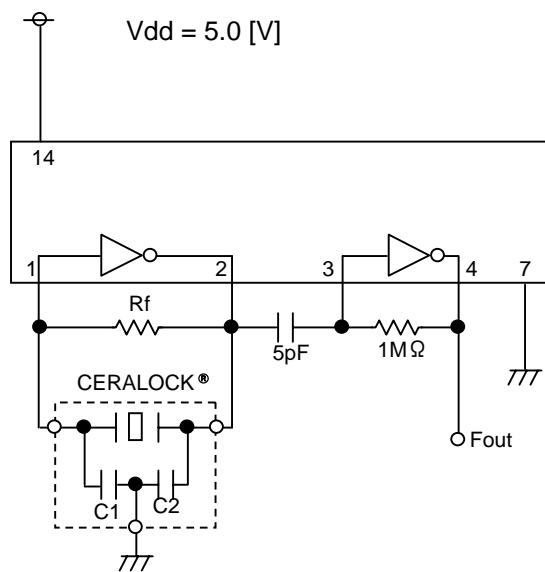
Ref.

Performance described page 2 to 3 were measured with IC No. WS

Frequency Correlation Data

Sample No.	HD64F38602R Fosc [kHz]	TC4069UBP Fosc [kHz]	Shift [%]
1	10021.840	10003.900	0.1793
2	10022.230	10003.900	0.1832
3	10010.806	9992.700	0.1812
4	10017.883	9998.300	0.1959
5	10022.207	10004.800	0.1740
\bar{X}	10018.993	10000.720	0.1827

muRata Standard Circuit



CERALOCK® : CSTCE10M0G52-R0

C1 = 10 [pF]

C2 = 10 [pF]

Rf = 1 [Mohm]