

Technical Data of Ceramic Resonator

MURATA Part No.: CSTCE8M00G52-R0

Applied to HD64F38104H

TOYAMA MURATA MANUFACTURING CO., LTD.

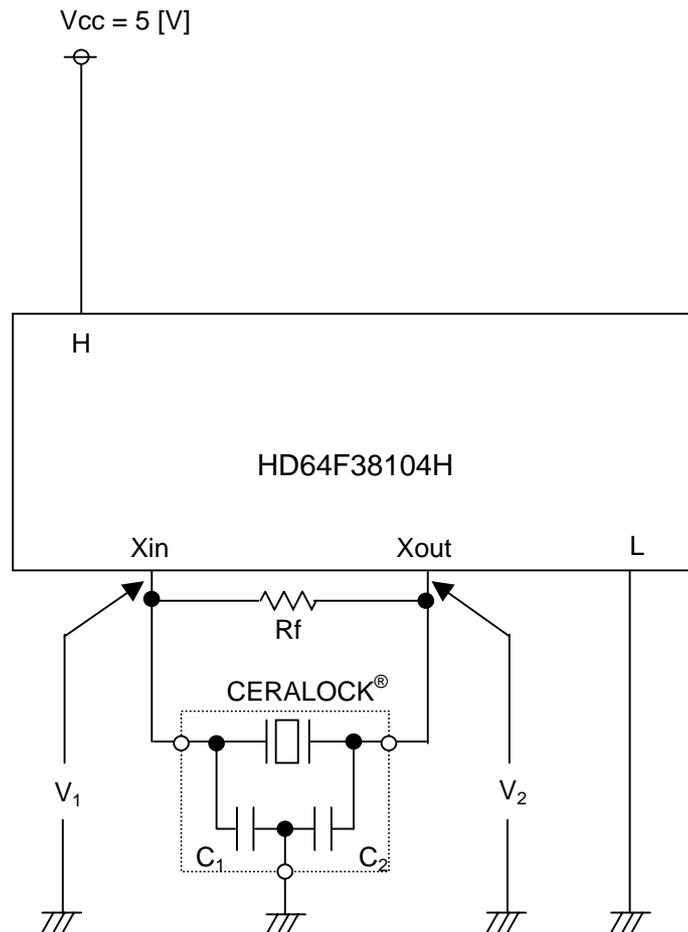
Product Engineering Service Section VI
Piezoelectric Planning & Market Promotion Department II
Piezoelectric Components Division
Device Business Unit

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Test Circuit



Xin : 10
 Xout: 9
 H : 1,4,52
 L : 8,53

Recommended Value

CERALOCK[®] : CSTCE8M00G52-R0

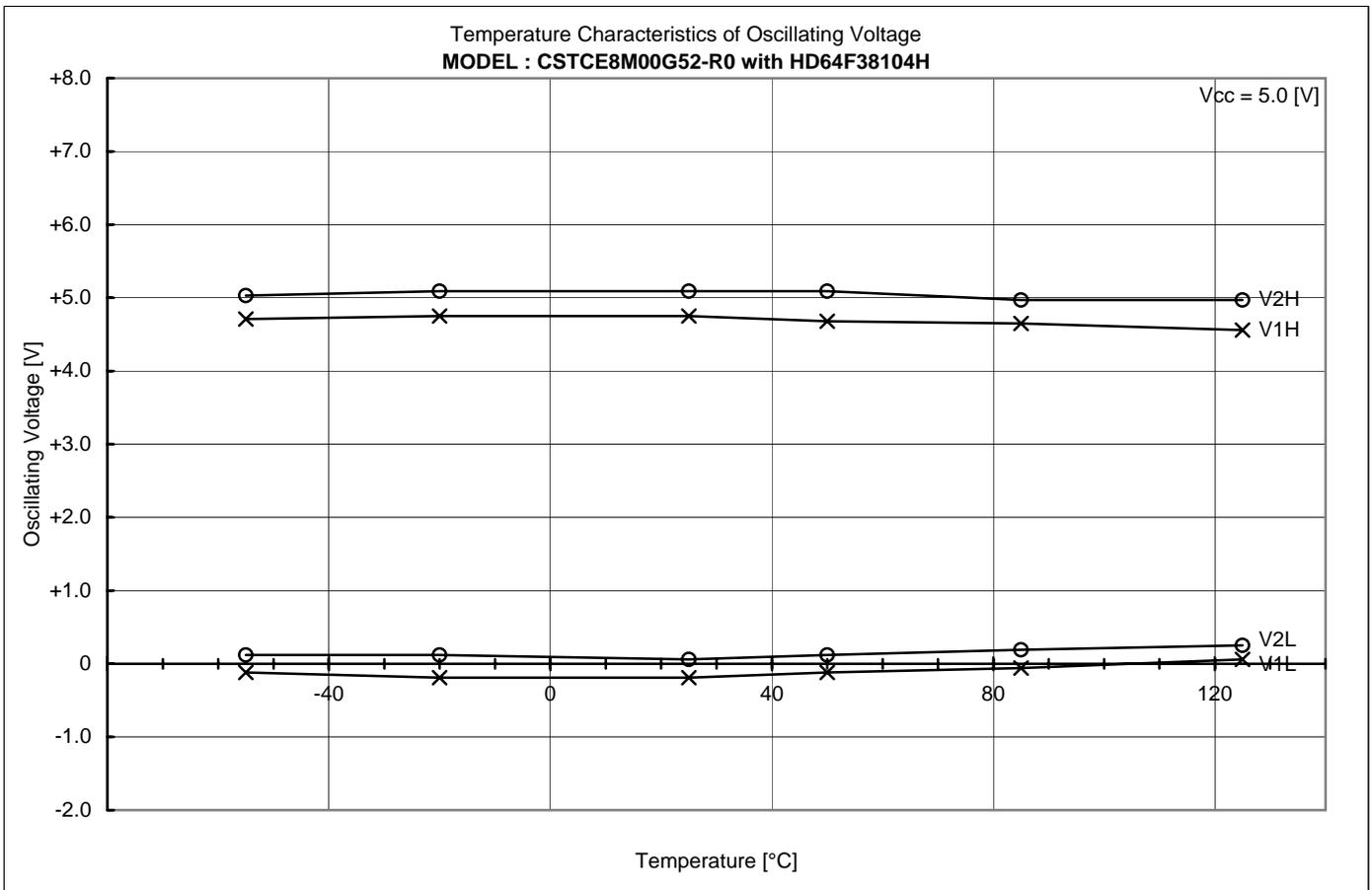
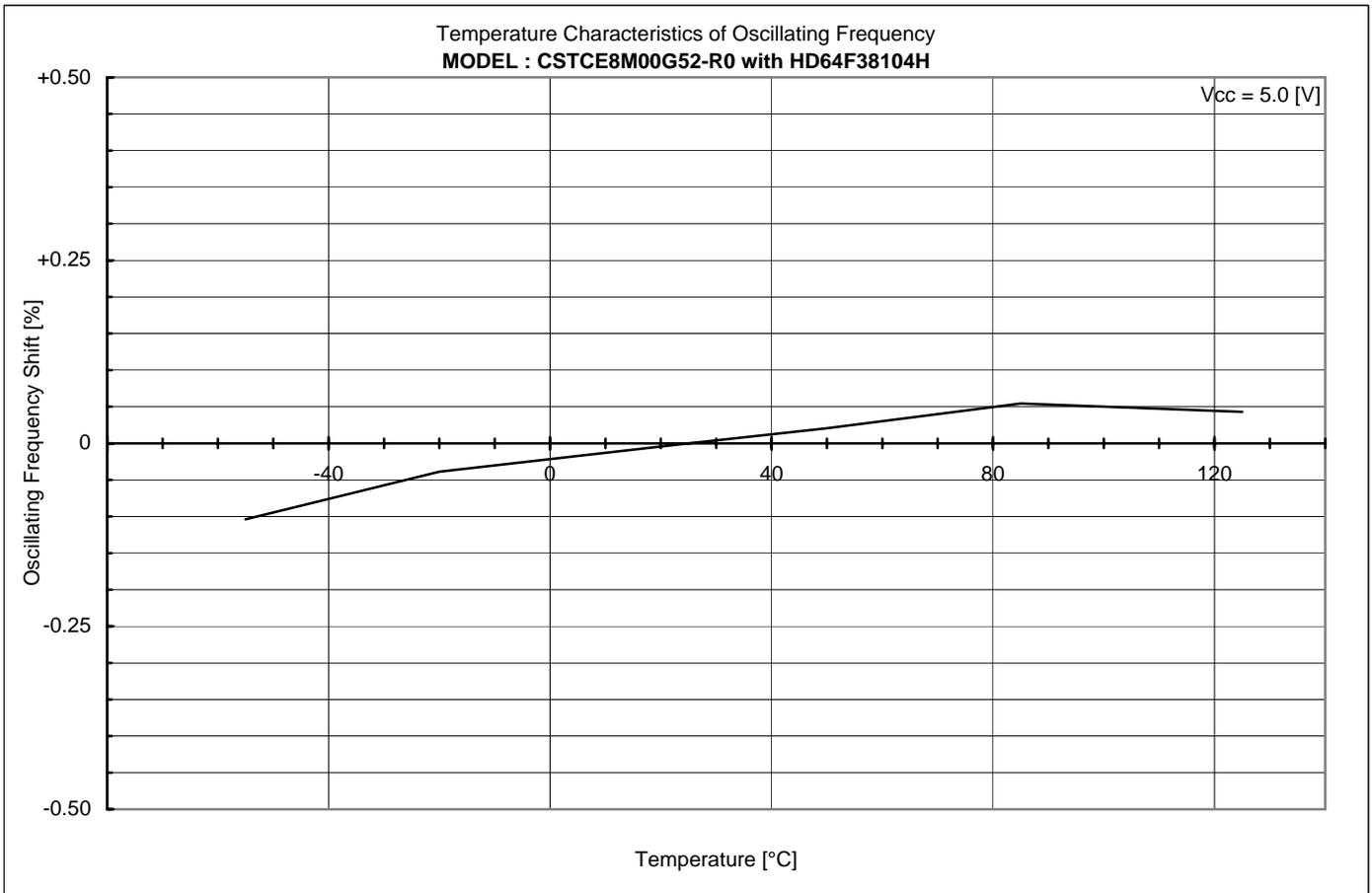
Vcc = 2.7 to 5.5 [V]

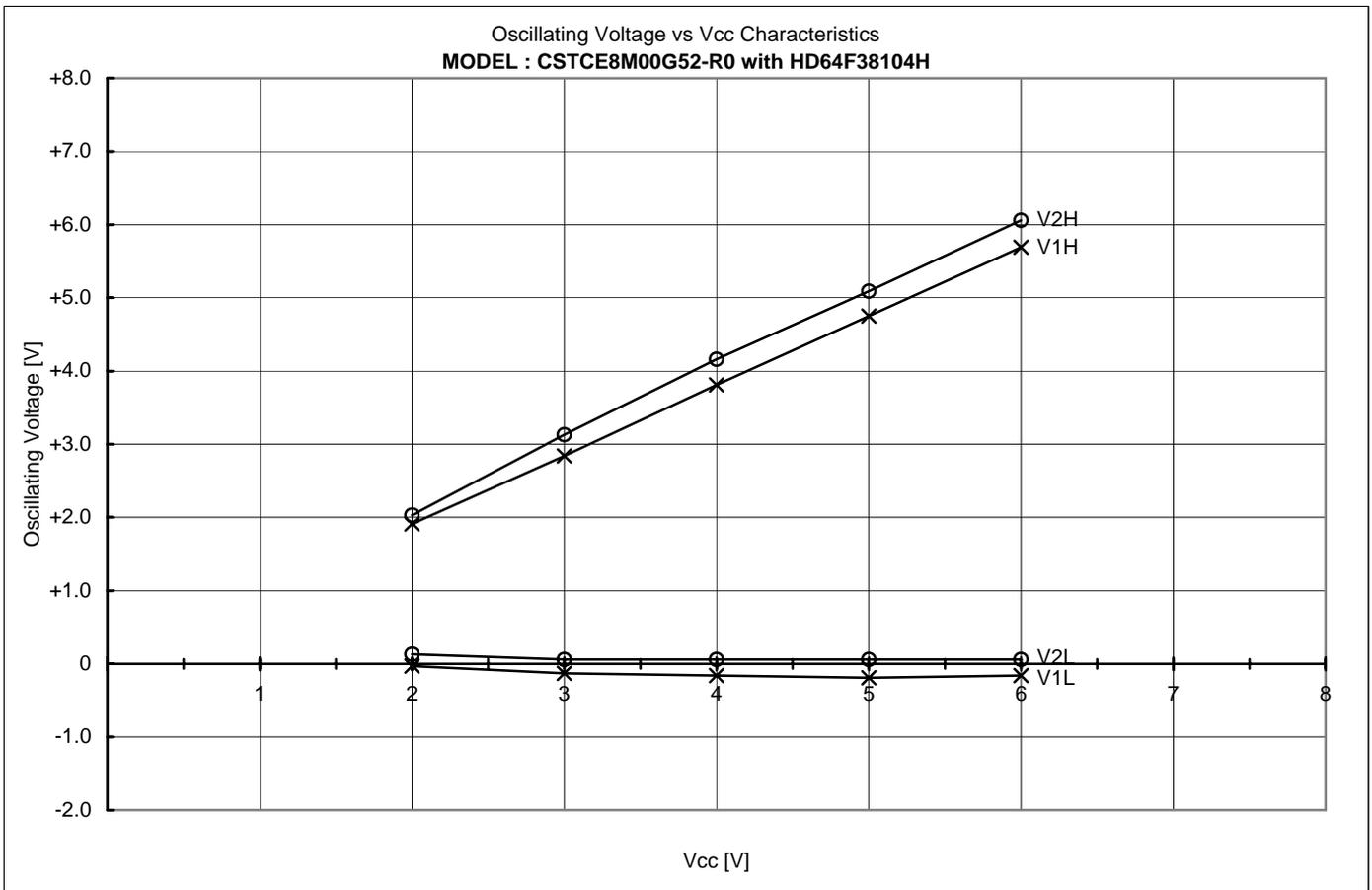
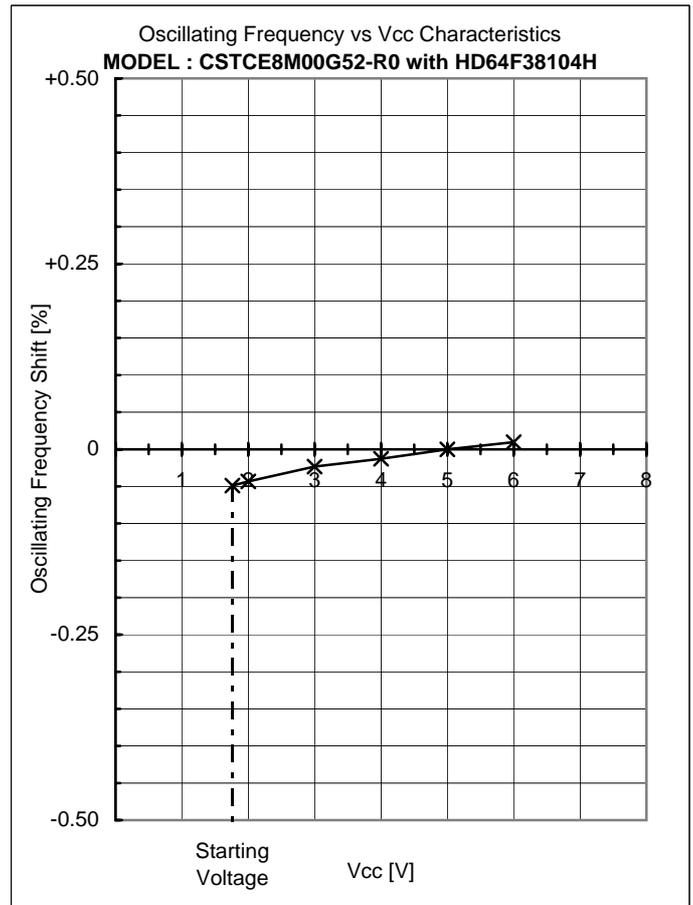
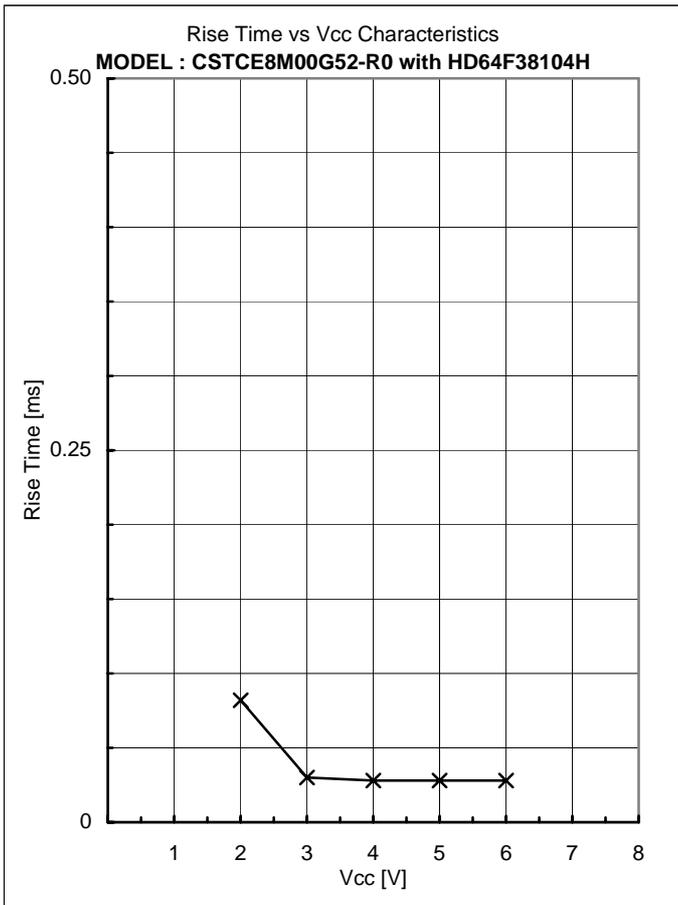
C1 = 10 [pF] (Typ.)

C2 = 10 [pF] (Typ.)

Rf = 1 [Mohm]

Ta = -40 to 85 [°C]





Appendixes

4. Comparison Table

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Comparison Table

IC : No	V1H [V]	V1L [V]	V1p-p [V]	V2H [V]	V2L [V]	V2p-p [V]	Fosc [kHz]	Trise [ms]	Vstart [V]
なし	4.75	-0.19	4.94	5.09	0.06	5.03	8019.955	0.029	1.76
N高P低	4.72	-0.12	4.84	5.09	0.13	4.96	8019.864	0.034	1.70
N低P高	4.75	-0.31	5.06	5.09	0.00	5.09	8019.702	0.029	1.80
SG太太	4.75	-0.19	4.94	5.09	0.09	5.00	8019.158	0.032	1.76
SG細細	4.69	-0.22	4.91	5.09	0.06	5.03	8018.956	0.031	1.76

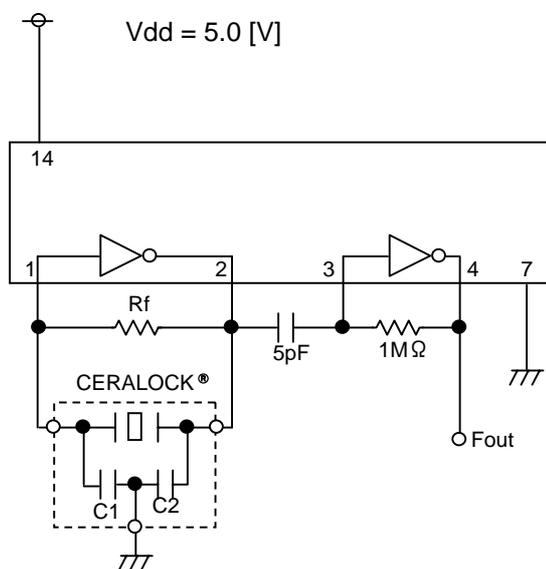
Ref.

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

Frequency Correlation Data

Sample No.	HD64F38104H Fosc [kHz]	TC4069UBP Fosc [kHz]	Shift [%]
1	8019.549	8018.300	0.0156
2	8011.033	8008.600	0.0304
3	8012.105	8012.300	-0.0024
4	8013.009	8011.100	0.0238
5	8023.228	8022.000	0.0153
\bar{X}	8015.785	8014.460	0.0165

muRata Standard Circuit



CERALOCK® : CSTCE8M00G52-R0

C1 = 10 [pF]

C2 = 10 [pF]

Rf = 1 [Mohm]