




Technical Data of Ceramic Resonator

MURATA Part No.: CSTLS8M00G53-B0

Applied to HD64F38104H

TOYAMA MURATA MANUFACTURING CO., LTD.

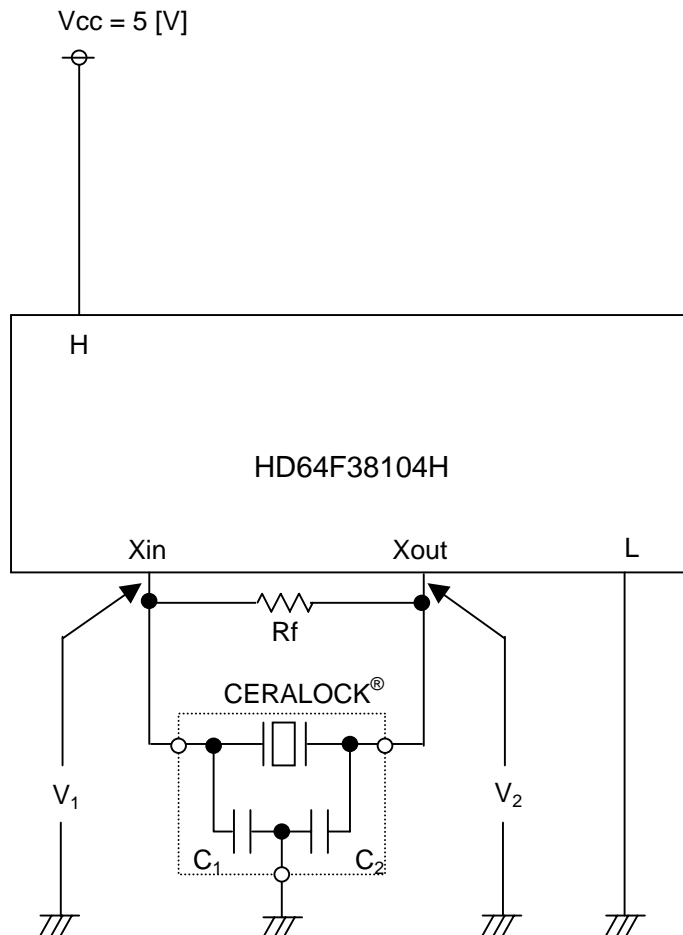
Product Engineering Service Section VI
Piezoelectric Planning & Market Promotion Department II
Piezoelectric Components Division
Device Business Unit

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



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

Recommended Value

CERALOCK® : CSTLS8M00G53-B0

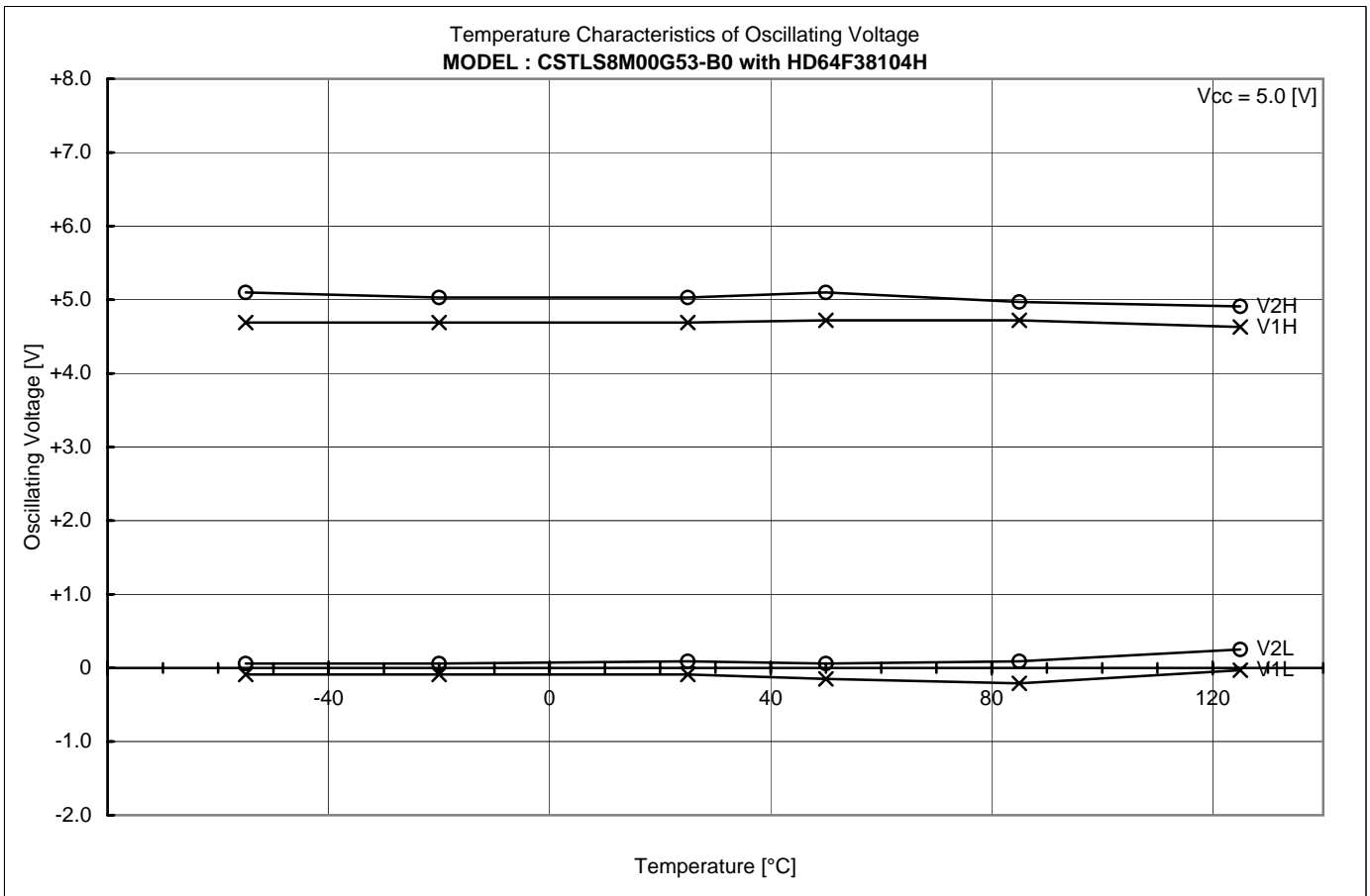
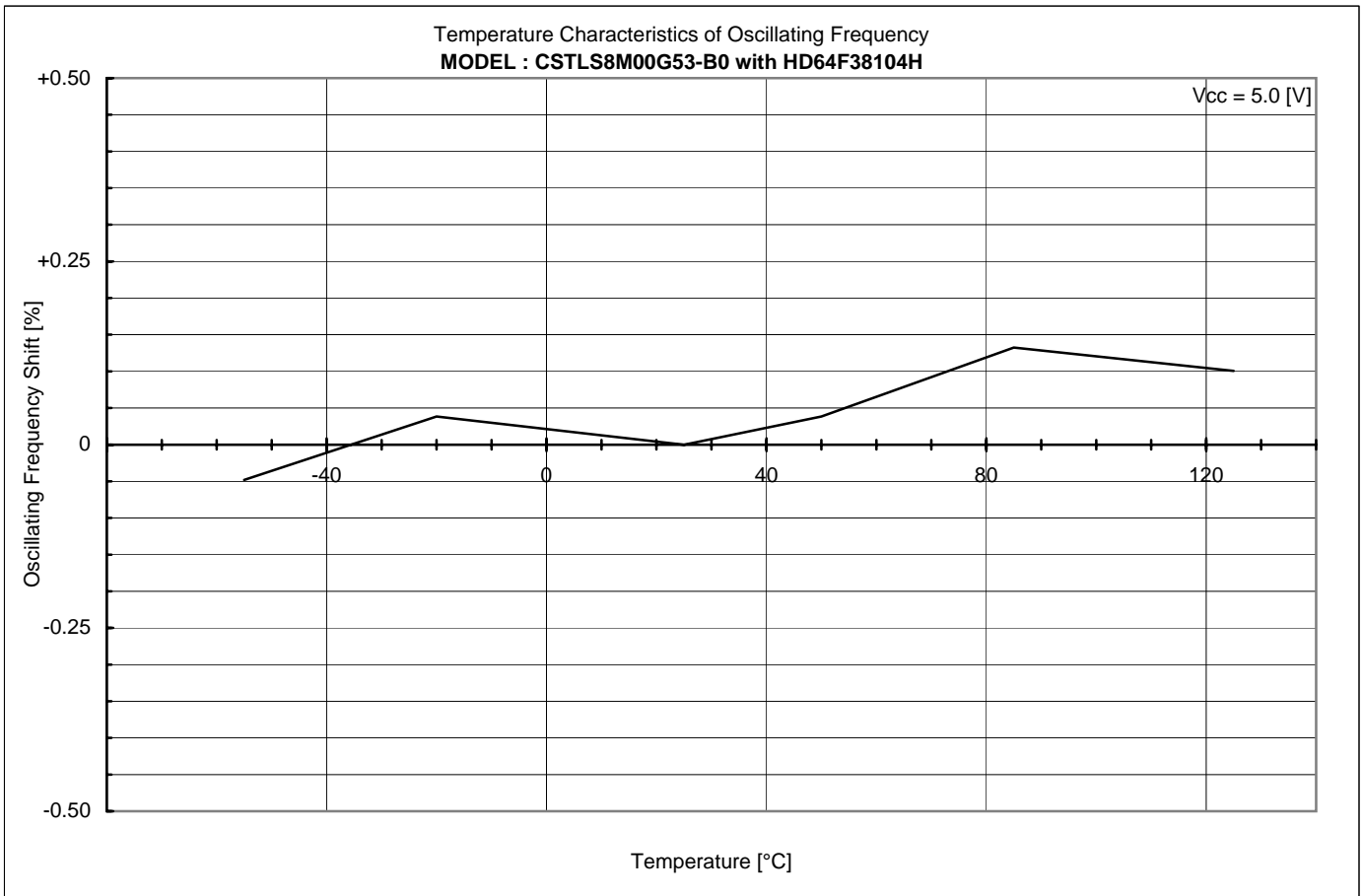
Vcc = 2.7 to 5.5 [V]

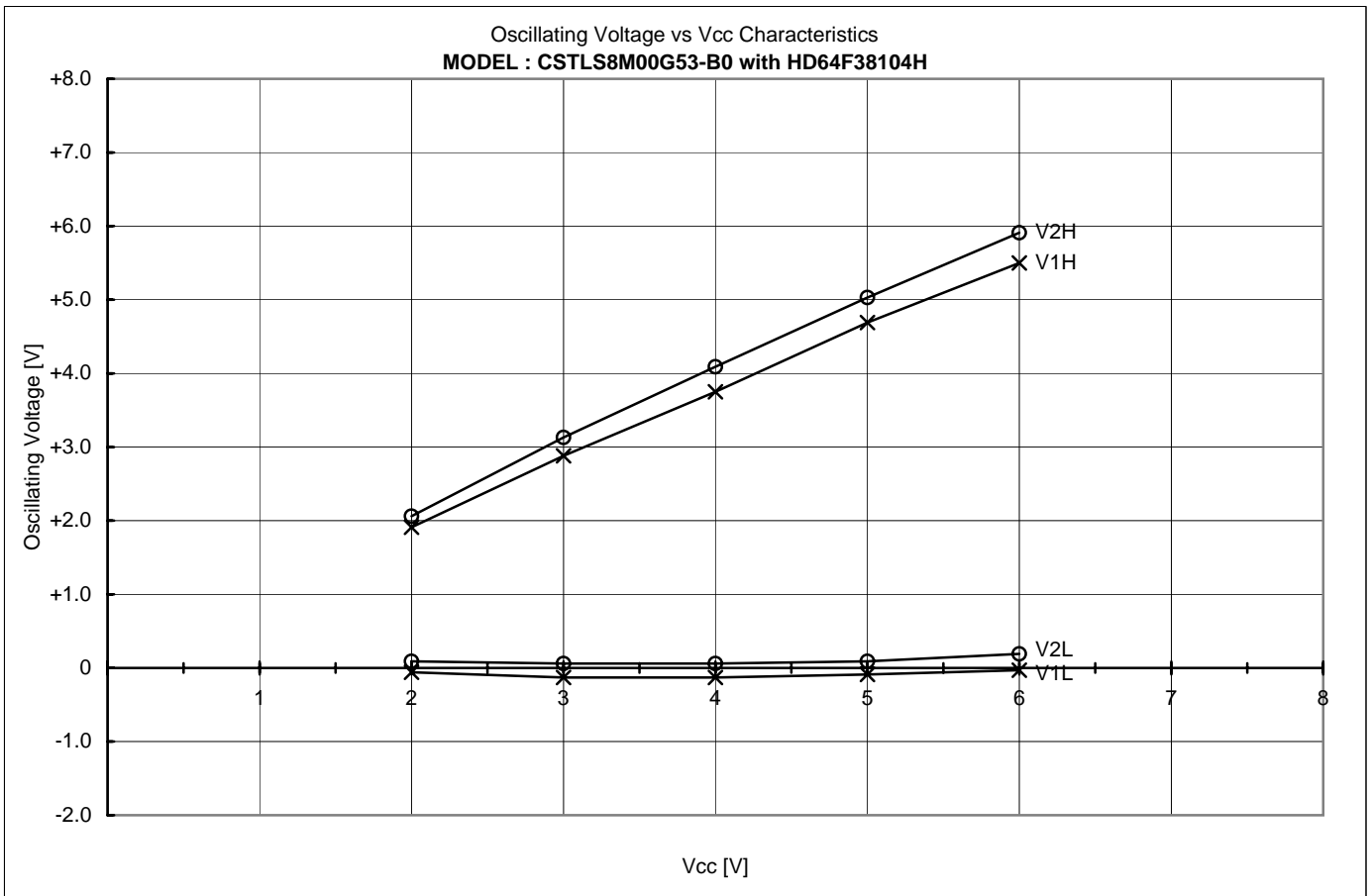
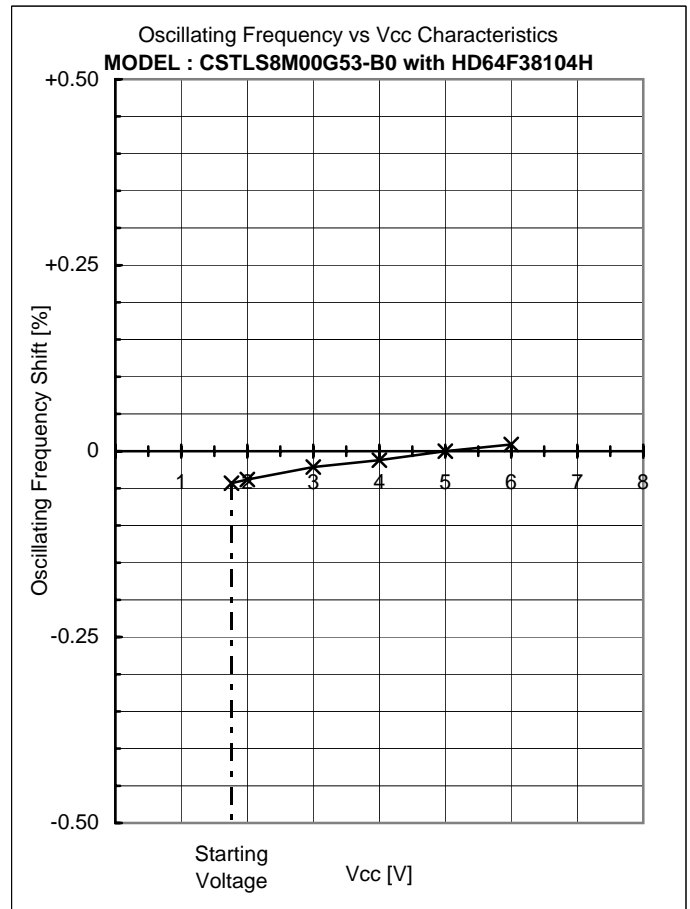
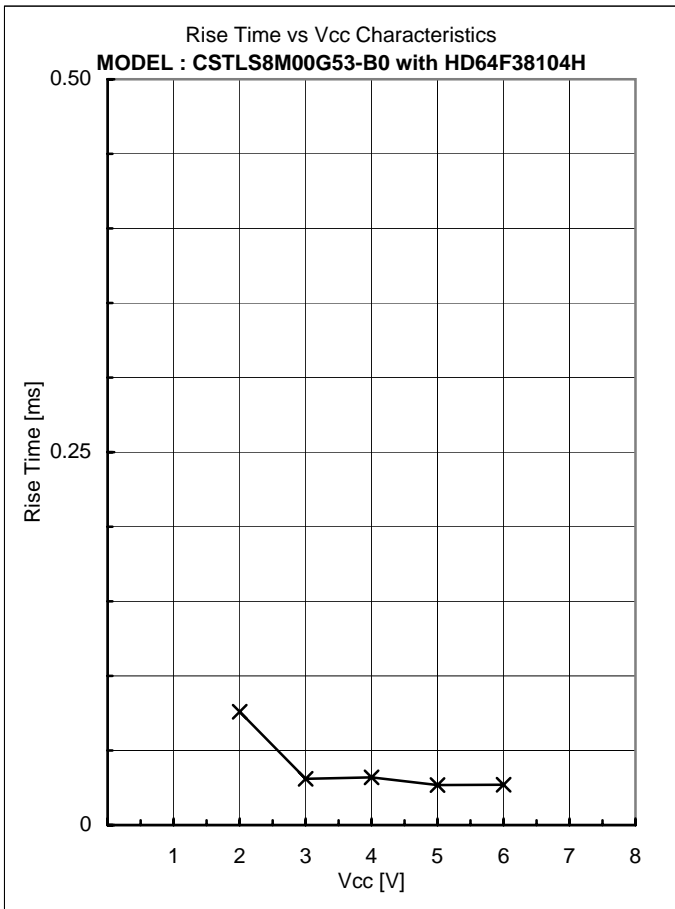
C1 = 15 [pF] (Typ.)

C2 = 15 [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 | 4.69 | -0.09 | 4.78 | 5.03 | 0.09 | 4.94 | 8025.974 | 0.027 | 1.76 |
| N高P低 | 4.63 | 0.04 | 4.59 | 5.03 | 0.15 | 4.88 | 8026.183 | 0.033 | 1.69 |
| N低P高 | 4.63 | -0.05 | 4.68 | 5.00 | 0.05 | 4.95 | 8026.144 | 0.028 | 1.79 |
| SG太太 | 4.63 | 0.01 | 4.62 | 5.06 | 0.09 | 4.97 | 8026.172 | 0.032 | 1.75 |
| SG細細 | 4.63 | 0.01 | 4.62 | 5.03 | 0.09 | 4.94 | 8025.907 | 0.030 | 1.81 |

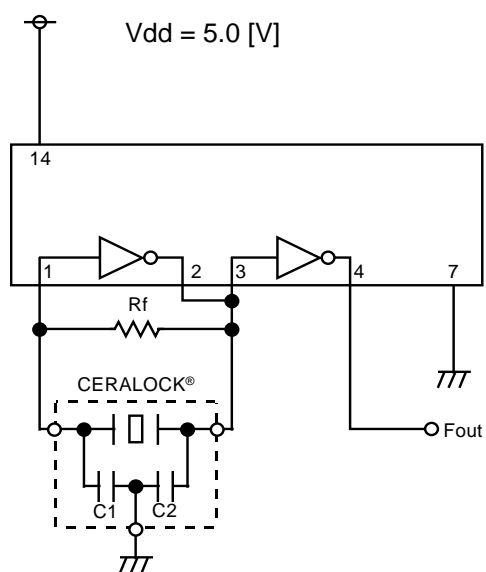
Ref.

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 | 8026.047 | 7995.898 | 0.3771 |
| 2 | 8038.461 | 8008.406 | 0.3753 |
| 3 | 8029.870 | 8001.198 | 0.3583 |
| 4 | 8018.684 | 7989.365 | 0.3670 |
| 5 | 8037.970 | 8008.196 | 0.3718 |
| \bar{X} | 8030.207 | 8000.613 | 0.3699 |

muRata Standard Circuit



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C1 = 15 [pF]

C2 = 15 [pF]

Rf = 1 [Mohm]