

Technical Data of Ceramic Resonator

(\*)

New Part No. : CSTLS8M00G53-B0

Previous Part No. : CSTS0800MG03

Applied to HD6437049

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

(\*) Murata changed part number in June of 2001.





The new part number is shown on this sheet with previous part number.

**TOYAMA MURATA MANUFACTURING CO., LTD.**

Product Engineering Service Section I

Planning Department

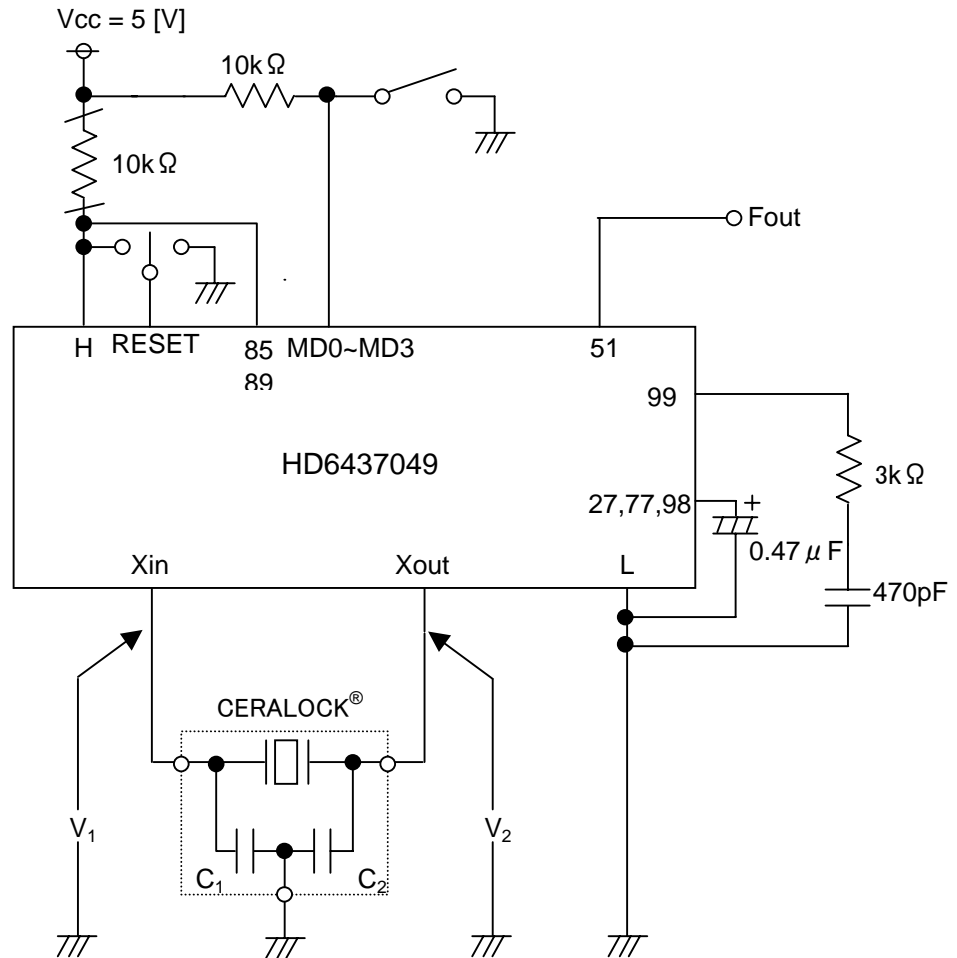
Piezoelectric Components Group

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



RESET : 87(L)

MD0 : 95(L)

MD1 : 94(L)

MD2 : 93(L)

MD3 : 91(L)

Xin : 96

Xout: 97

H : 11,15,16,33,46,53,72,83,84

L : 13,29~32,34~45,47~50,74,82,100

## Recommended Value

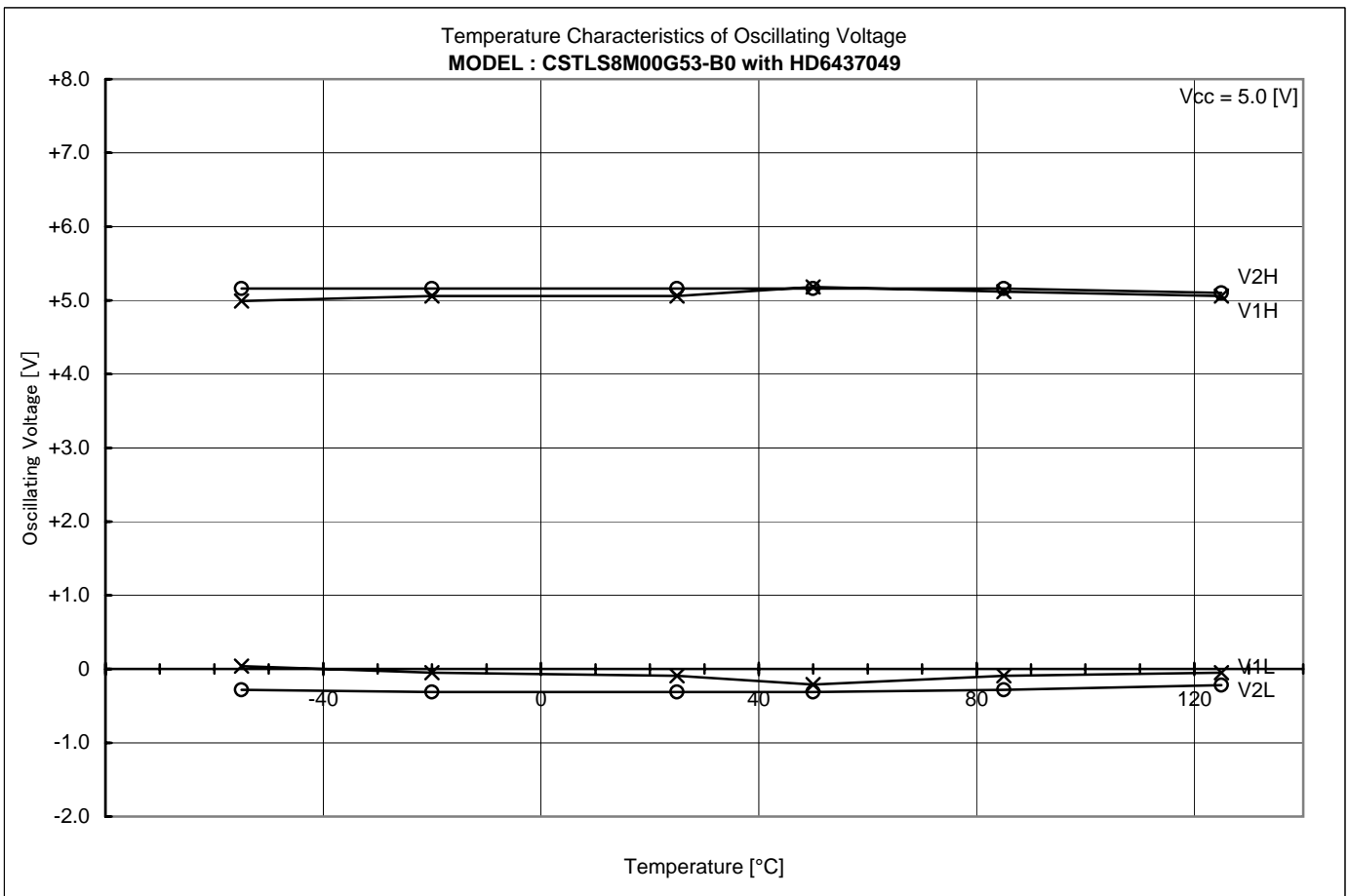
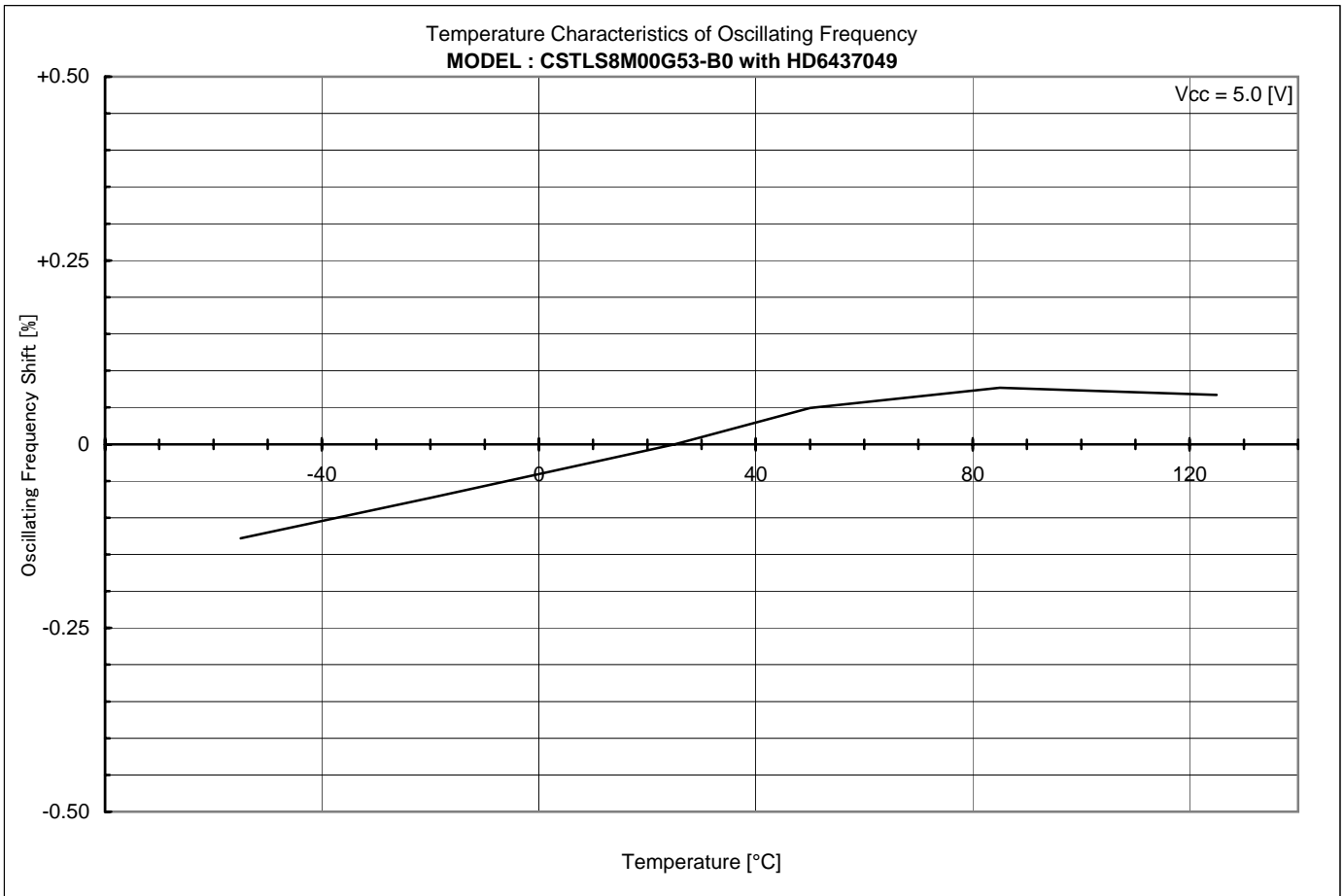
CERALOCK® : CSTLS8M00G53-B0

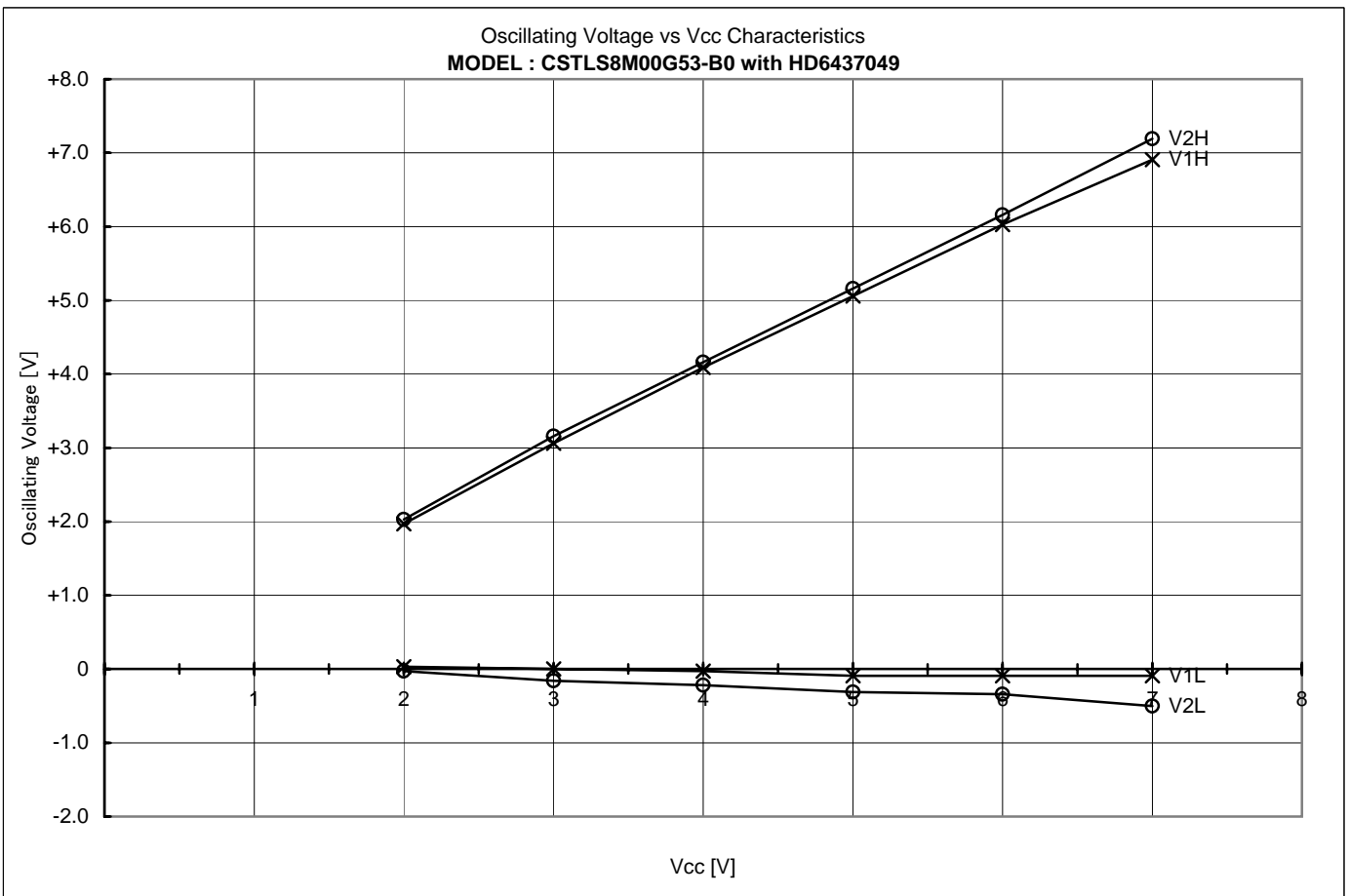
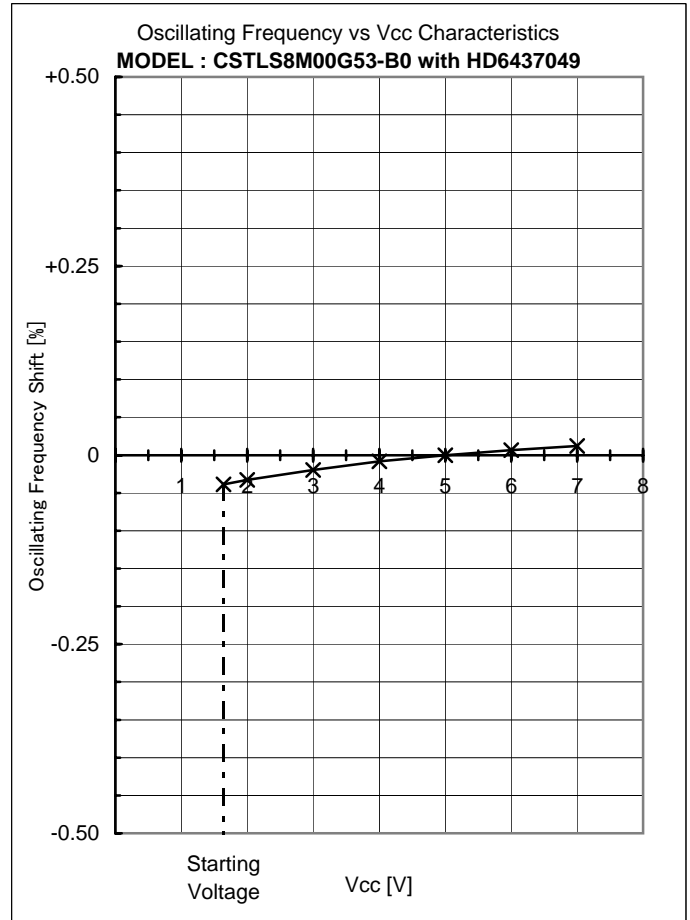
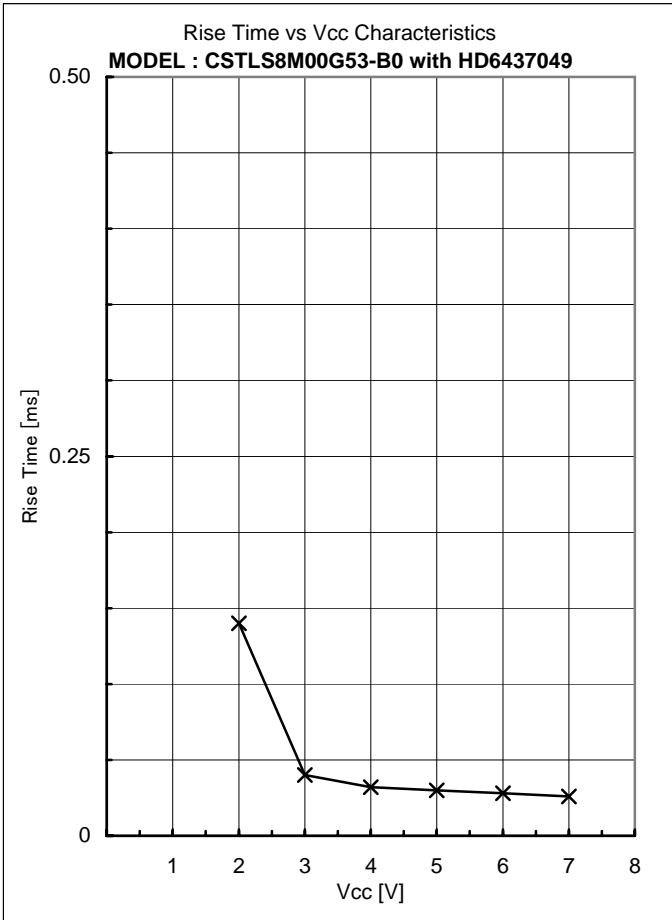
Vcc = 4.0 to 5.5 [V]

C1 = 15 [pF] (Typ.)

C2 = 15 [pF] (Typ.)

Ta = -40 to 85 [°C]







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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]
006	5.06	-0.09	5.15	5.16	-0.31	5.47	8021.327	0.030	1.67
007	5.06	-0.09	5.15	5.13	-0.28	5.41	8021.564	0.030	1.68
008	5.06	-0.09	5.15	5.16	-0.31	5.47	8021.433	0.029	1.64

Ref.

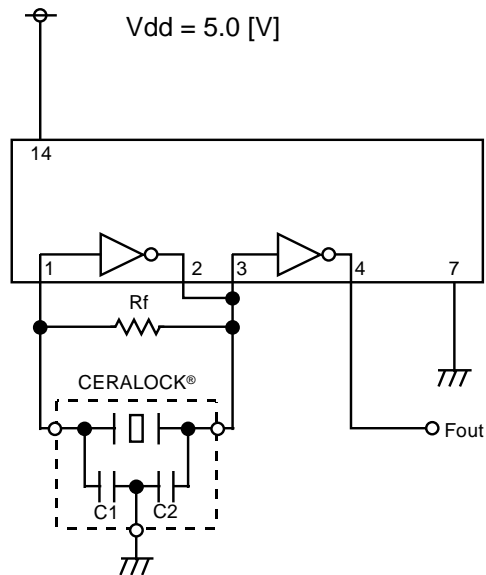
Performance described page 2 to 3 were measured with IC No. 008



### Frequency Correlation Data

Sample No.	HD6437049 Fosc [kHz]	TC4069UBP Fosc [kHz]	Shift [%]
1	8028.595	8016.031	0.1567
2	8020.273	8008.412	0.1481
3	8024.544	8013.170	0.1419
4	8024.796	8012.906	0.1484
5	8018.924	8006.936	0.1497
-			
X	8023.427	8011.491	0.1490

### muRata Standard Circuit



CERALOCK® : CSTLS8M00G53-B0

C1 = 15 [pF]

C2 = 15 [pF]

Rf = 1 [Mohm]