

Technical Data of Ceramic Resonator

MURATA Part No.: CSTCR4M00G53-R0

Applied to HD64F38124H

TOYAMA MURATA MANUFACTURING CO., LTD.

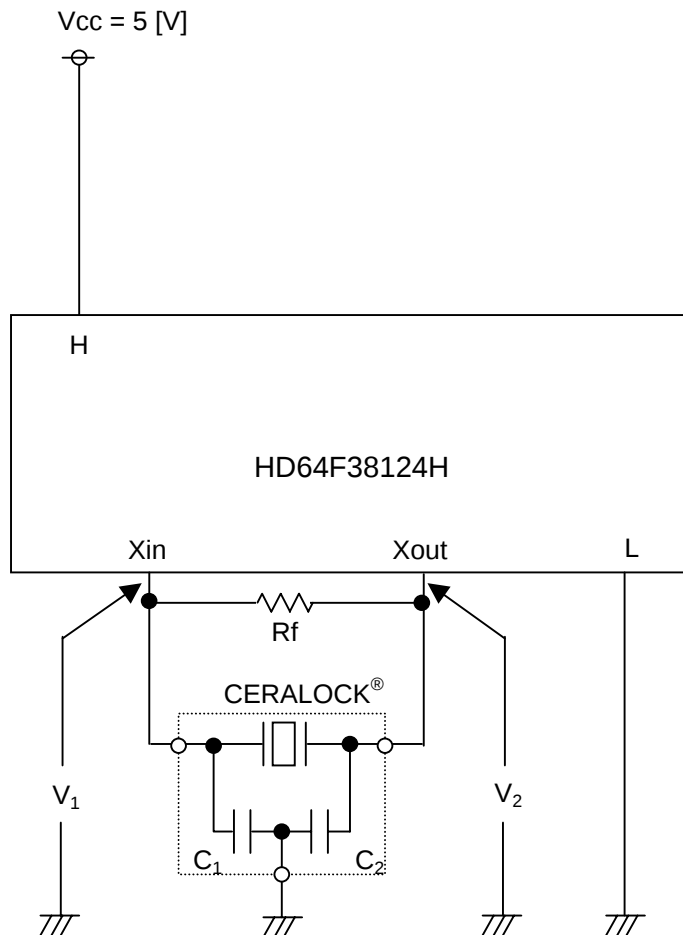
Product Engineering Service Section VI
Piezoelectric Planning & Market Promotion Department II
Piezoelectric Components Division
Device Business Unit

Approved by	Checked by	Issued by	Issued Date	Data No.
 K.Maruno	 R.Miyamae	 T.Morita	May 7, 2005	TCD-05-0483

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Test Circuit



Xin : 10

Xout: 9

H : 1,4,52

L : 8,53

Recommended Value

CERALOCK® : CSTCR4M00G53-R0

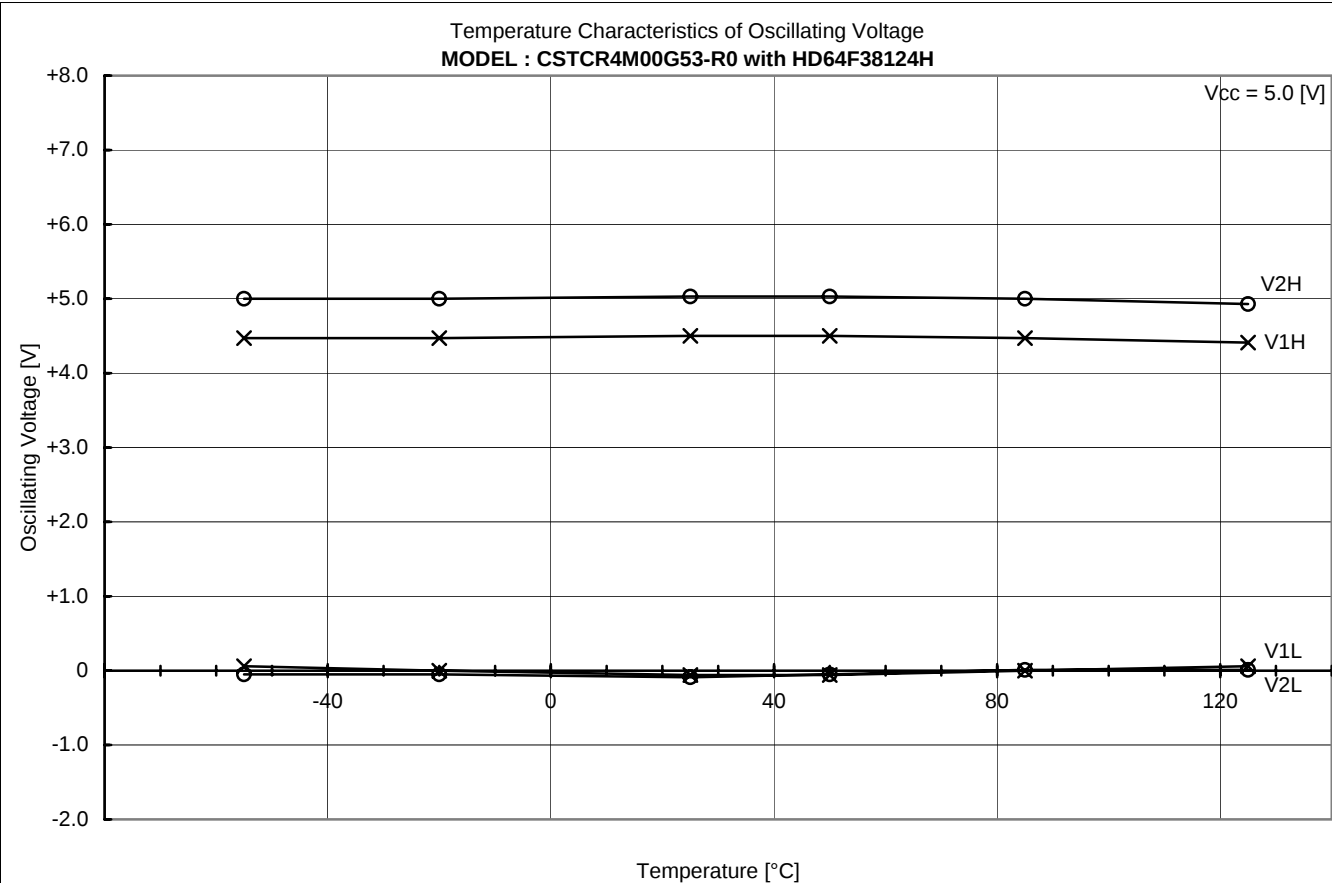
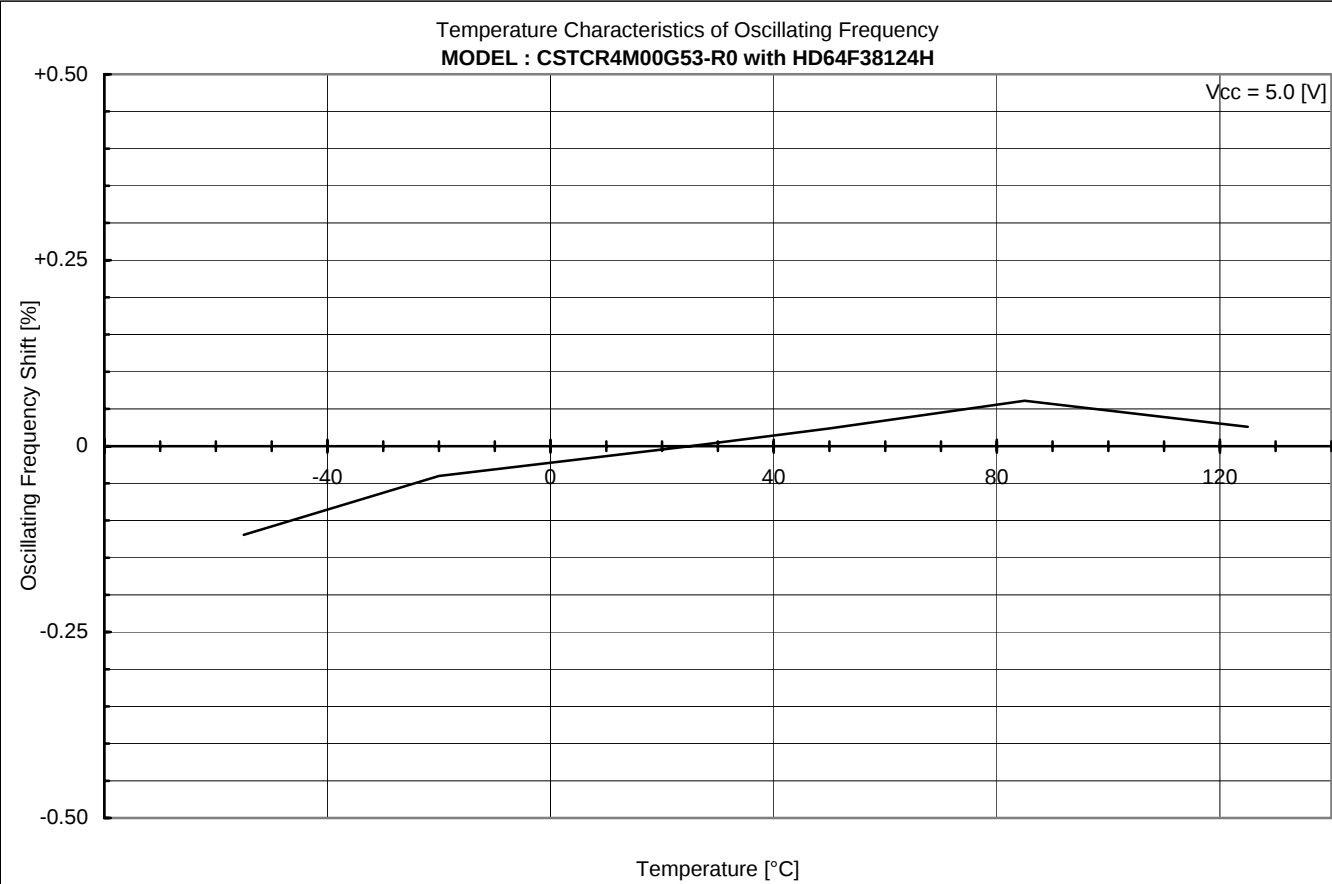
Vcc = 2.7 to 5.5 [V]

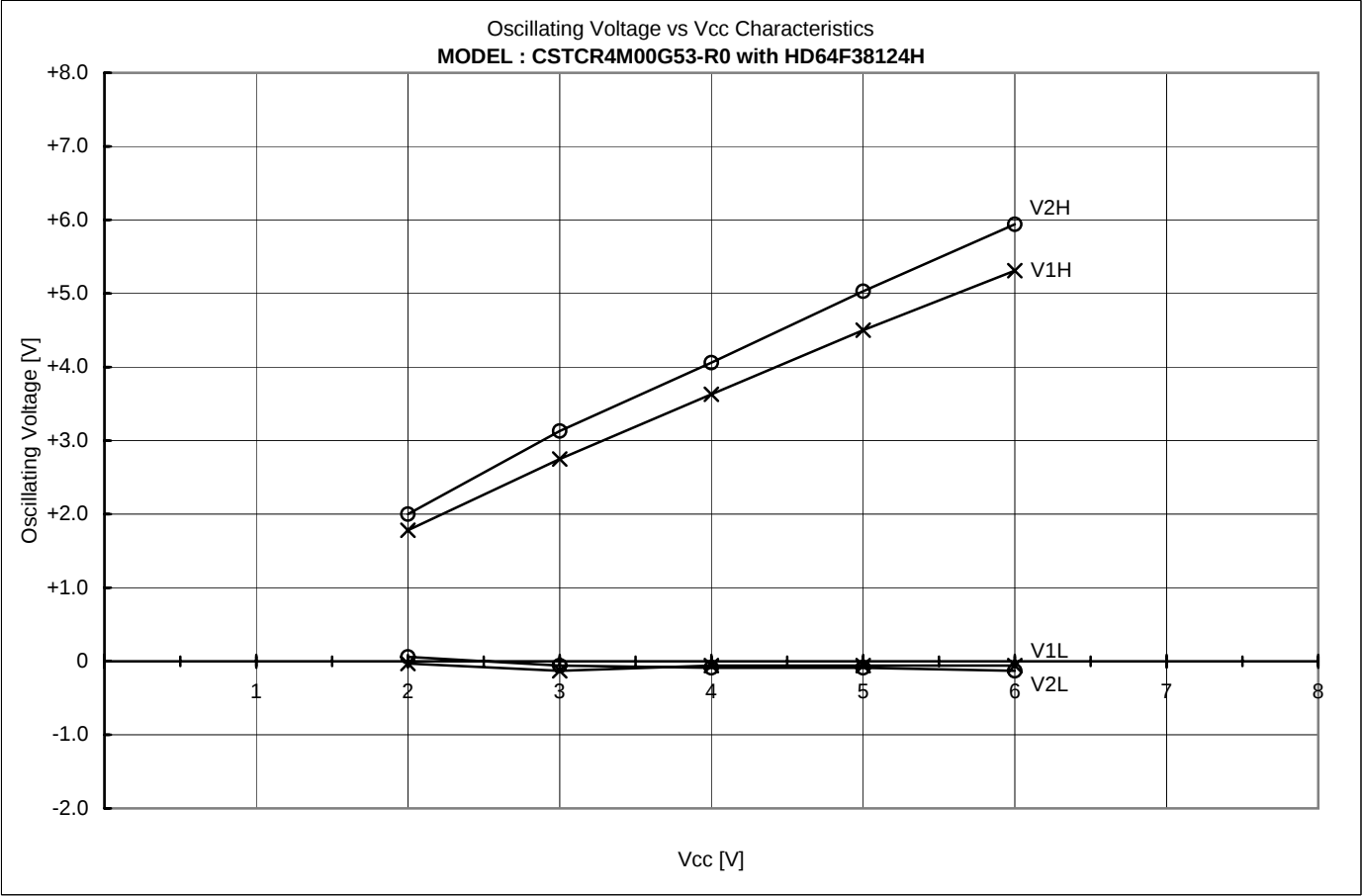
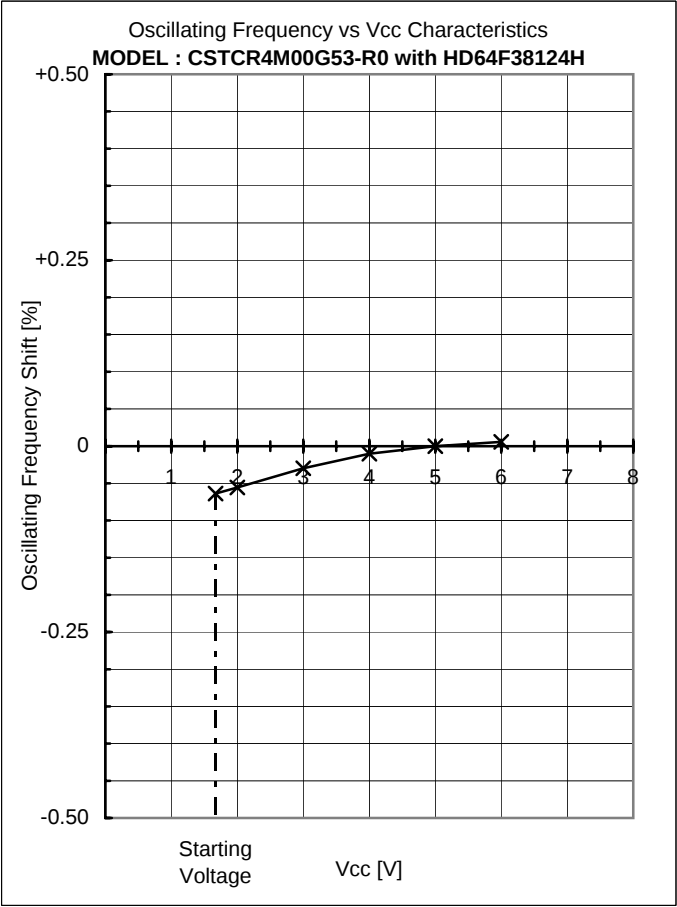
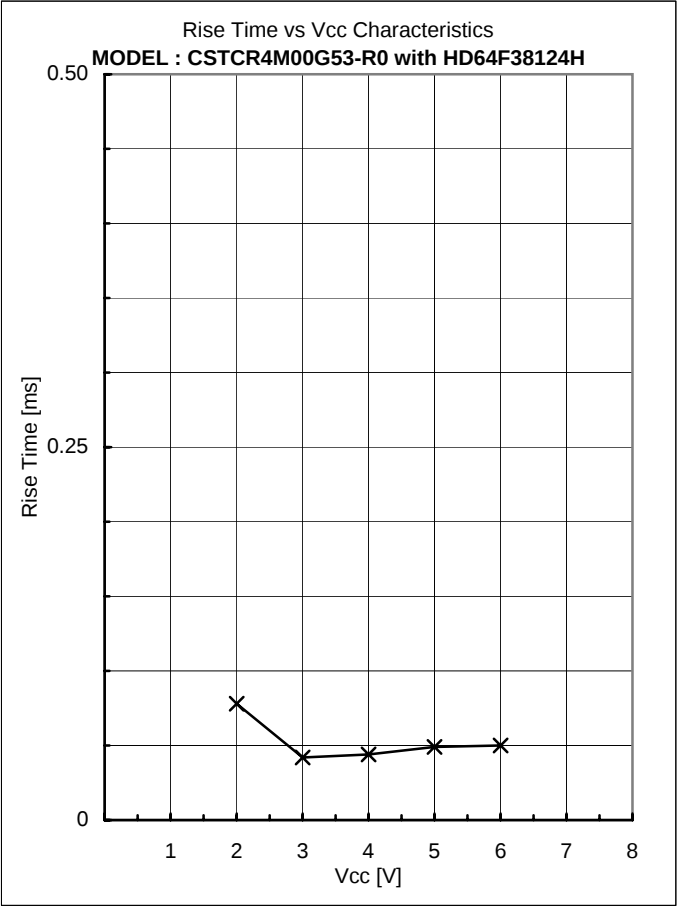
C1 = 15 [pF] (Typ.)

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	4.50	-0.06	4.56	5.03	-0.09	5.12	4053.698	0.049	1.67
N高P低	4.44	0.00	4.44	5.03	0.01	5.02	4053.298	0.053	1.64
N低P高	4.31	-0.06	4.37	4.94	-0.09	5.03	4053.573	0.046	1.77
SG太太	4.44	-0.06	4.50	5.03	-0.02	5.05	4053.373	0.050	1.80
SG細細	4.44	-0.09	4.53	5.03	-0.06	5.09	4053.063	0.051	1.81

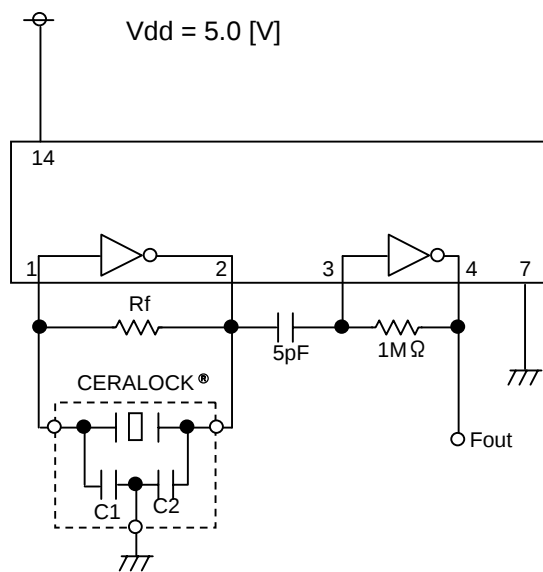
Ref.

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

Frequency Correlation Data

Sample No.	HD64F38124H Fosc [kHz]	TC4069UBP Fosc [kHz]	Shift [%]
1	3995.774	4000.284	-0.1127
2	3998.176	4000.154	-0.0495
3	3996.391	4000.438	-0.1012
4	3996.086	3999.964	-0.0970
5	3998.284	4000.279	-0.0499
$\bar{X}$	3996.942	4000.224	-0.0820

muRata Standard Circuit



CERALOCK® : CSTCR4M00G53-R0

C1 = 15 [pF]

C2 = 15 [pF]

Rf = 1 [Mohm]