

Technical Data of Ceramic Resonator

MURATA Part No.: CSTCR4M00G53-R0

Applied to HD6437048

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

TOYAMA MURATA MANUFACTURING CO., LTD.

Product Engineering Service Section I

Planning Department

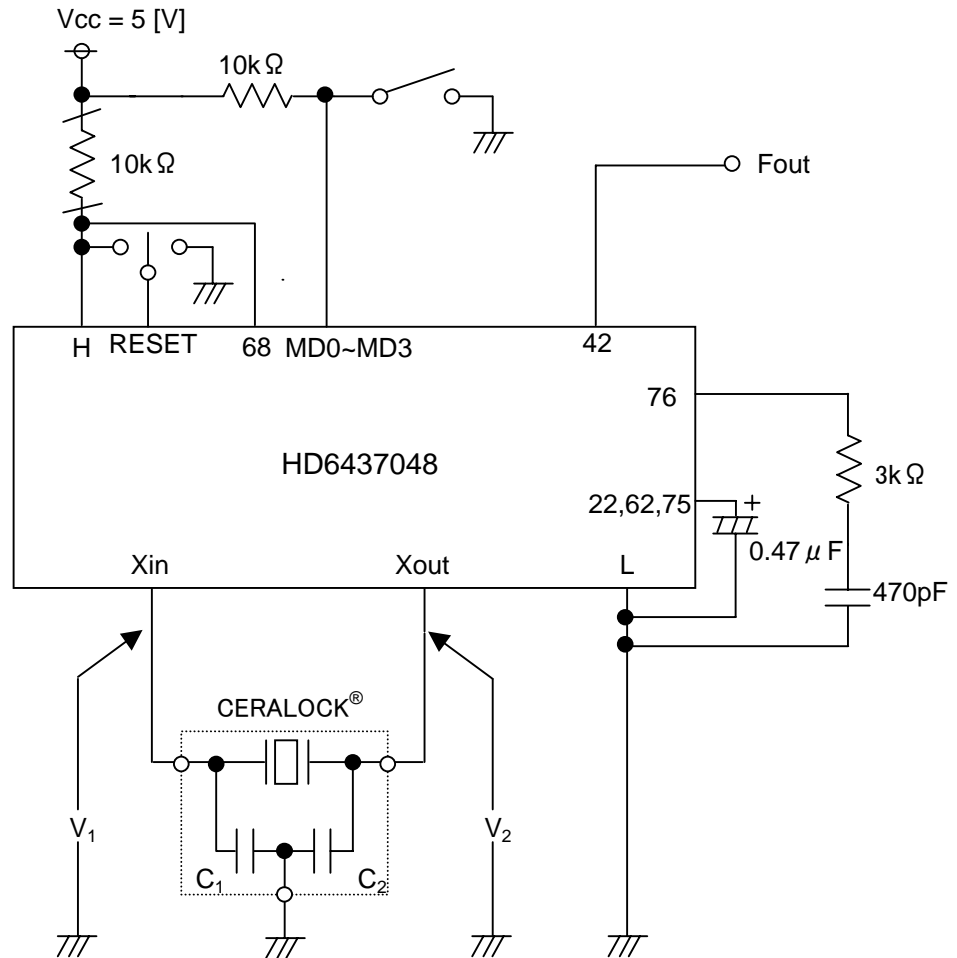
Piezoelectric Components Group

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Test Circuit



RESET : 67(H)

MD0 : 72(H)

MD1 : 71(H)

MD2 : 70(H)

MD3 : 69(L)

Xin : 73

Xout: 74

H : 11,27,38,43,65,66

L : 9,24~26,28~37,39~41,64,77

Recommended Value

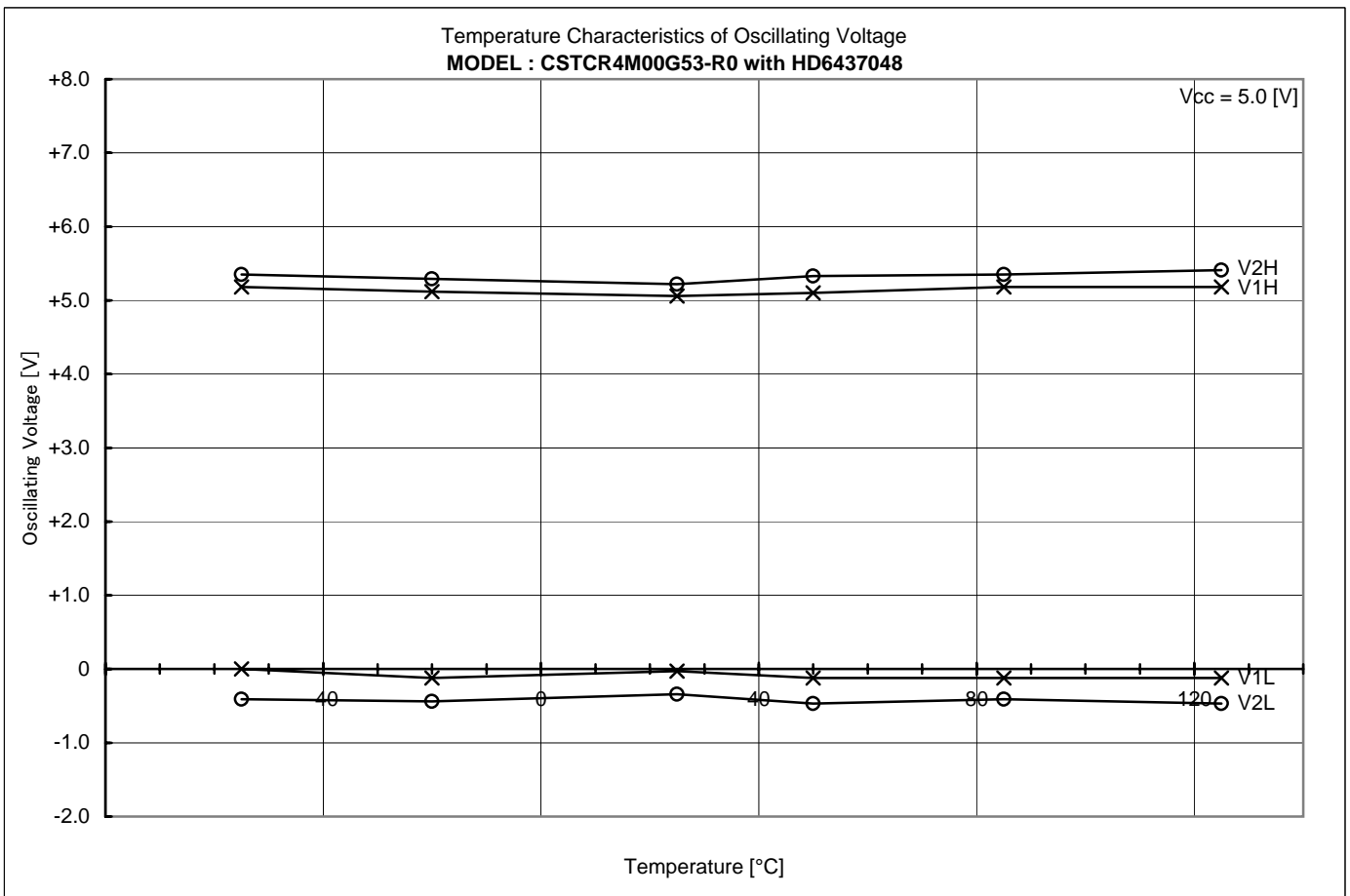
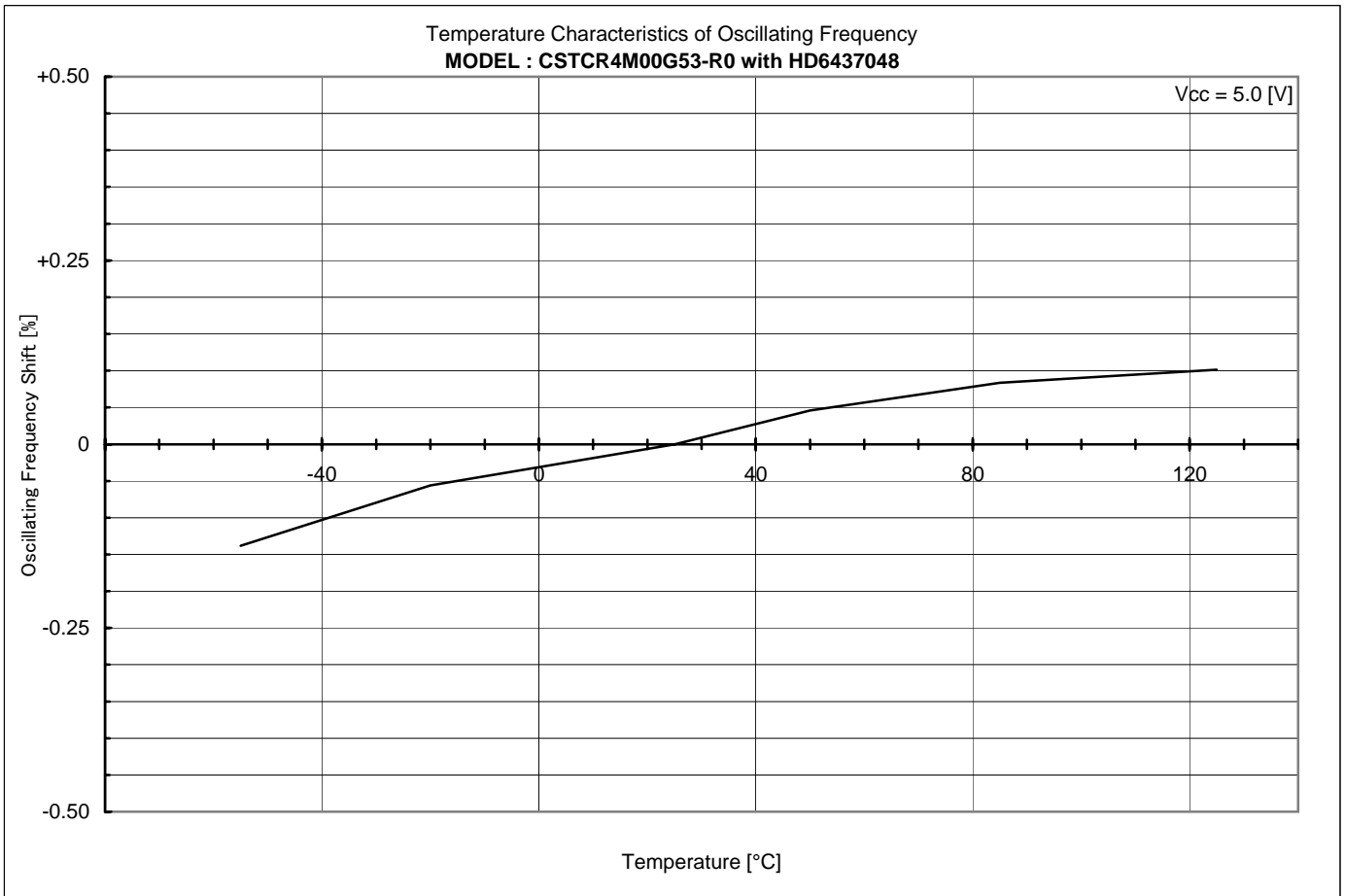
CERALOCK® : CSTCR4M00G53-R0

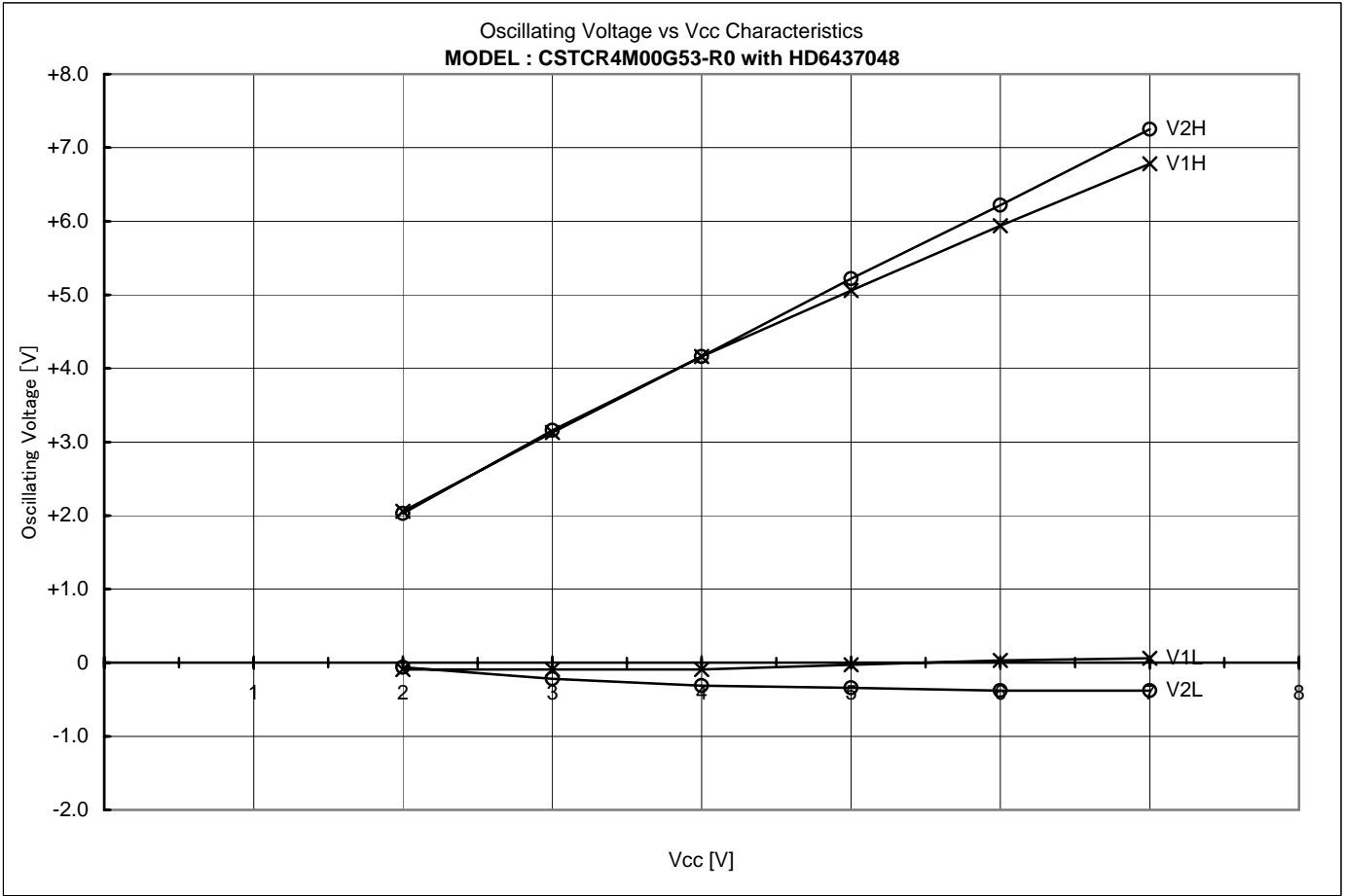
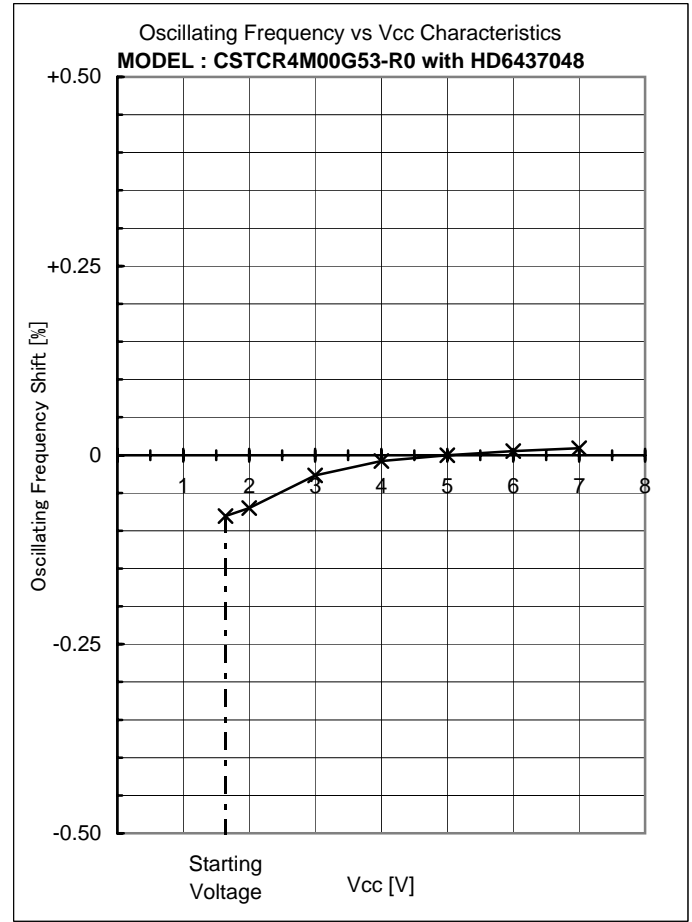
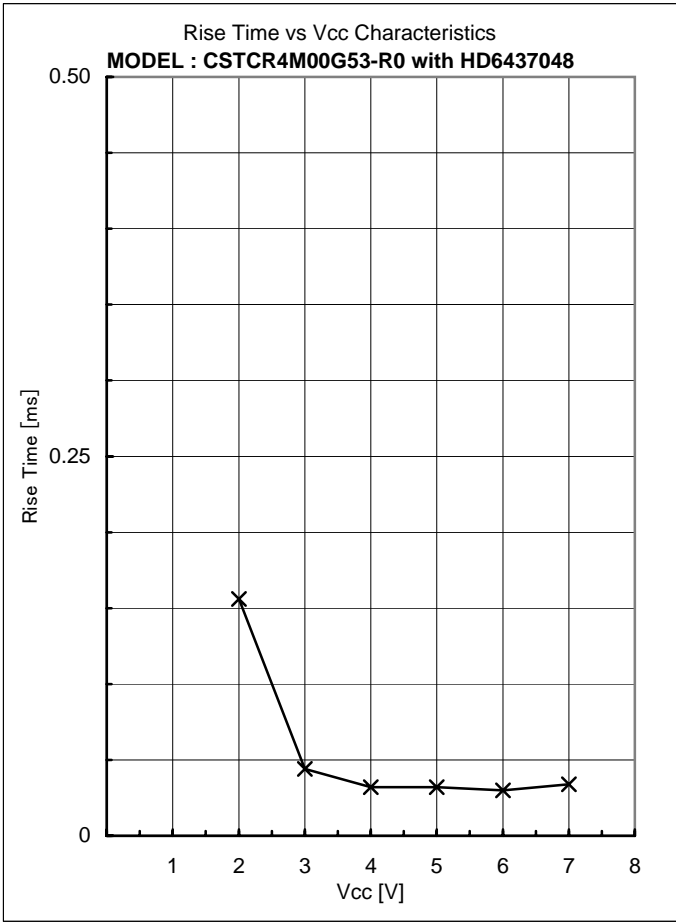
Vcc = 4.0 to 5.5 [V]

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]
019	5.06	-0.03	5.09	5.22	-0.34	5.56	3991.648	0.031	1.61
030	5.06	0.06	5.00	5.22	-0.34	5.56	3991.745	0.032	1.60
167	5.06	-0.03	5.09	5.22	-0.34	5.56	3991.763	0.035	1.64

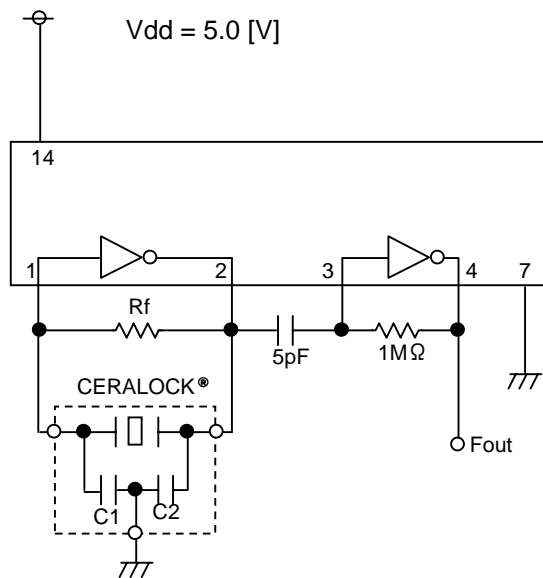
Ref.

Performance described page 2 to 3 were measured with IC No. 167

Frequency Correlation Data

Sample No.	HD6437048 Fosc [kHz]	TC4069UBP Fosc [kHz]	Shift [%]
1	3991.731	3997.741	-0.1503
2	3999.114	4005.314	-0.1548
3	3997.904	4003.078	-0.1293
4	3997.025	4002.632	-0.1401
5	3998.403	4004.673	-0.1566
-			
X	3996.835	4002.688	-0.1462

muRata Standard Circuit



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C1 = 15 [pF]

C2 = 15 [pF]

Rf = 1 [Mohm]