

Technical Data of Ceramic Resonator

MURATA Part No.: CSTCC2M00G56-R0

Applied to HD64F38104H

TOYAMA MURATA MANUFACTURING CO., LTD.

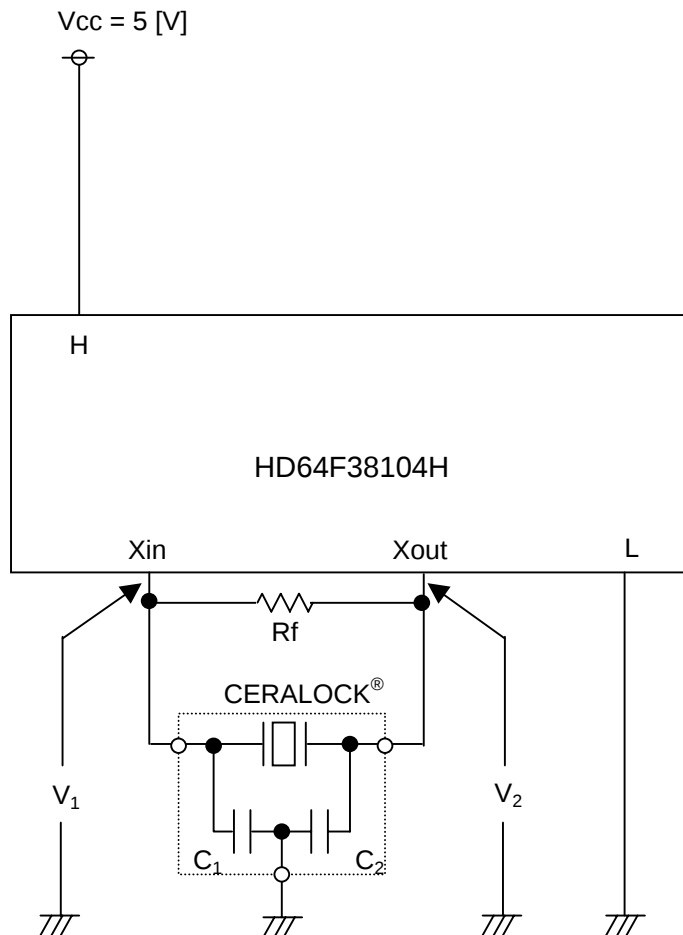
Product Engineering Service Section VI
Piezoelectric Planning & Market Promotion Department II
Piezoelectric Components Division
Device Business Unit

Approved by	Checked by	Issued by	Issued Date	Data No.
 K.Maruno	 R.Miyamae	 T.Morita	May 7, 2005	TCD-05-0491

Contents

1.	Test Circuit	1
2.	Temperature Characteristics of Oscillating Frequency, Oscillating Voltage	2
3.	Rise Time, Oscillating Frequency, Oscillating Voltage vs Vcc Characteristics	3

Test Circuit



Xin : 10

Xout: 9

H : 1,4,52

L : 8,53

Recommended Value

CERALOCK® : CSTCC2M00G56-R0

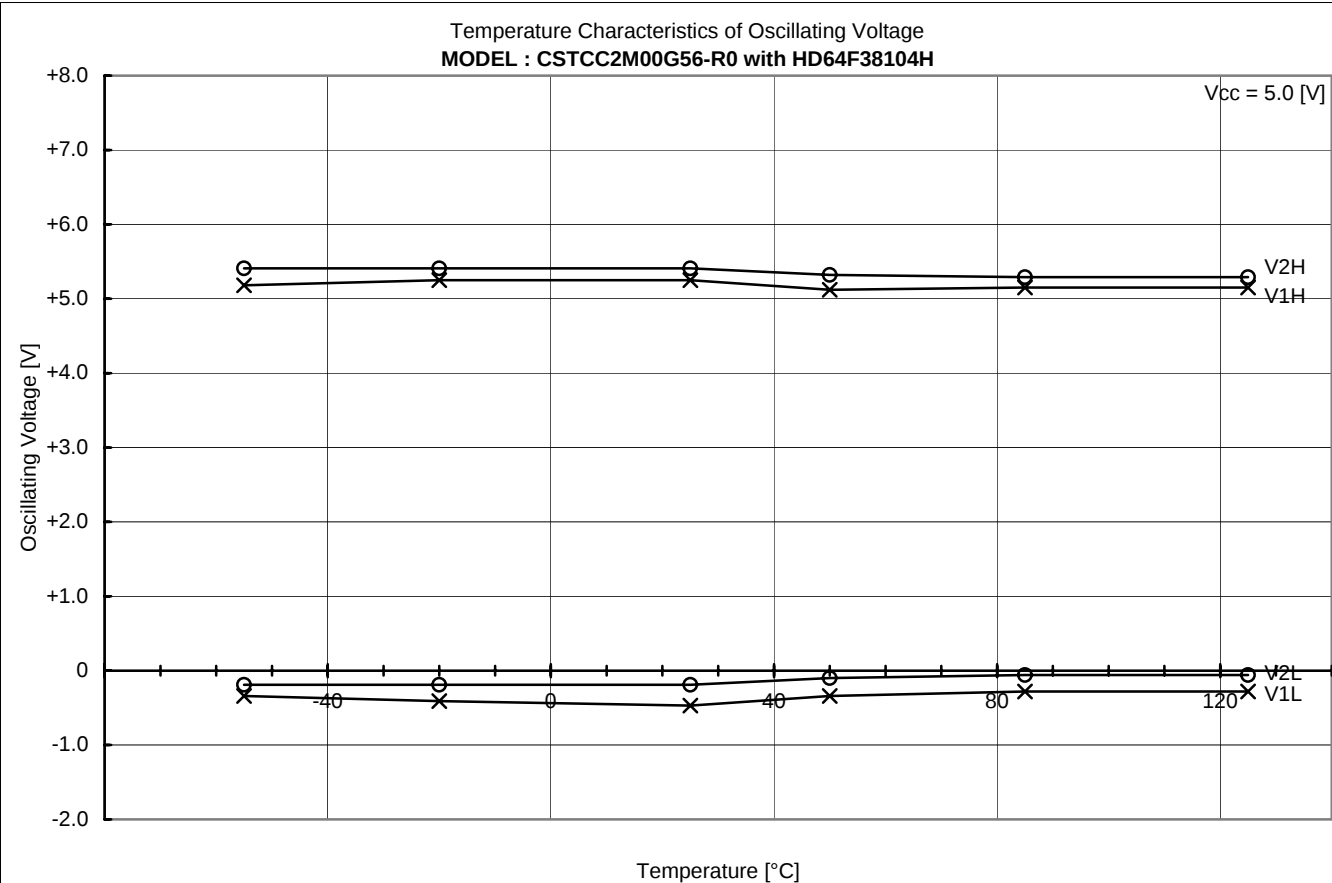
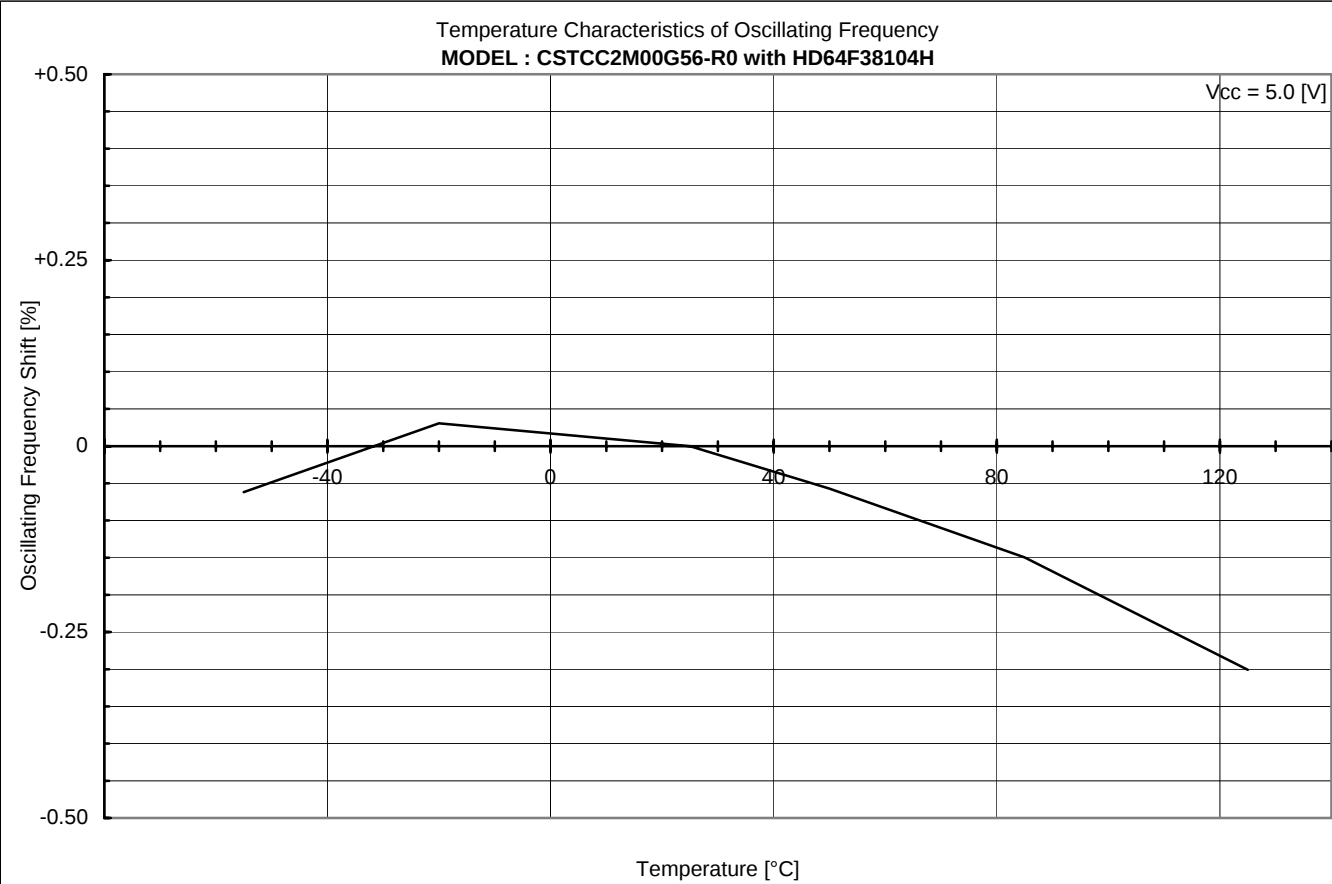
Vcc = 2.7 to 5.5 [V]

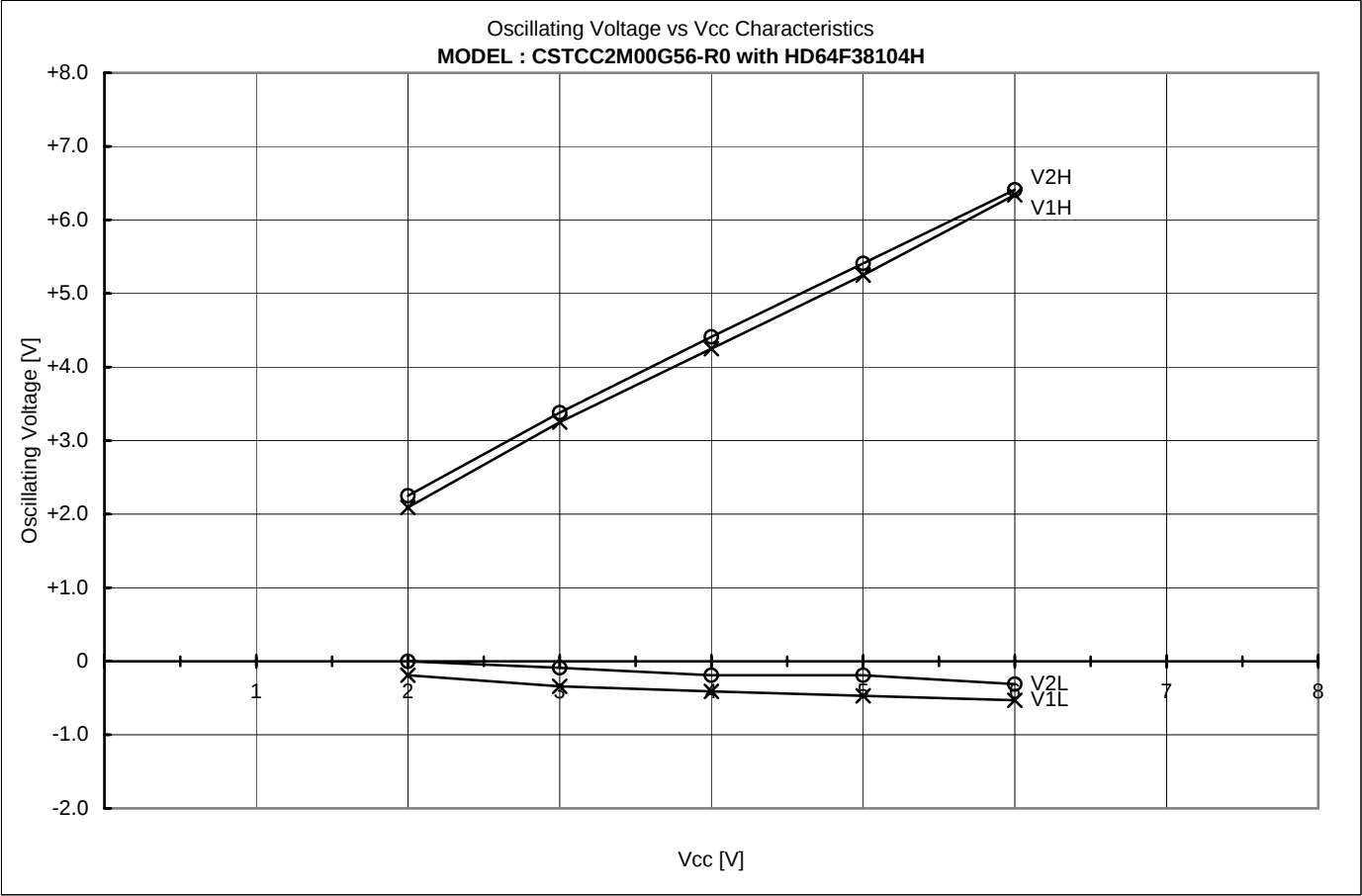
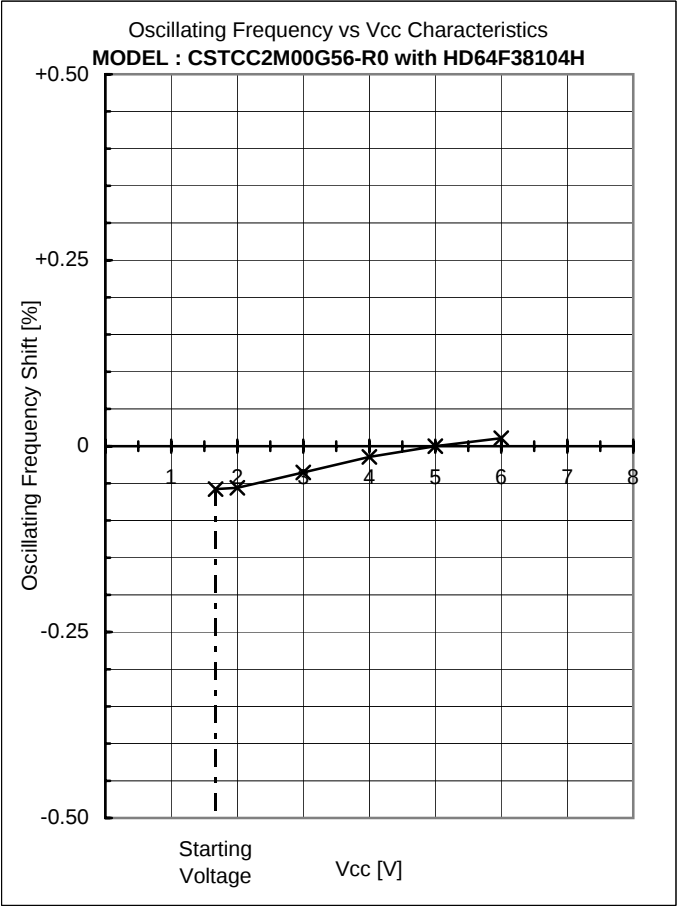
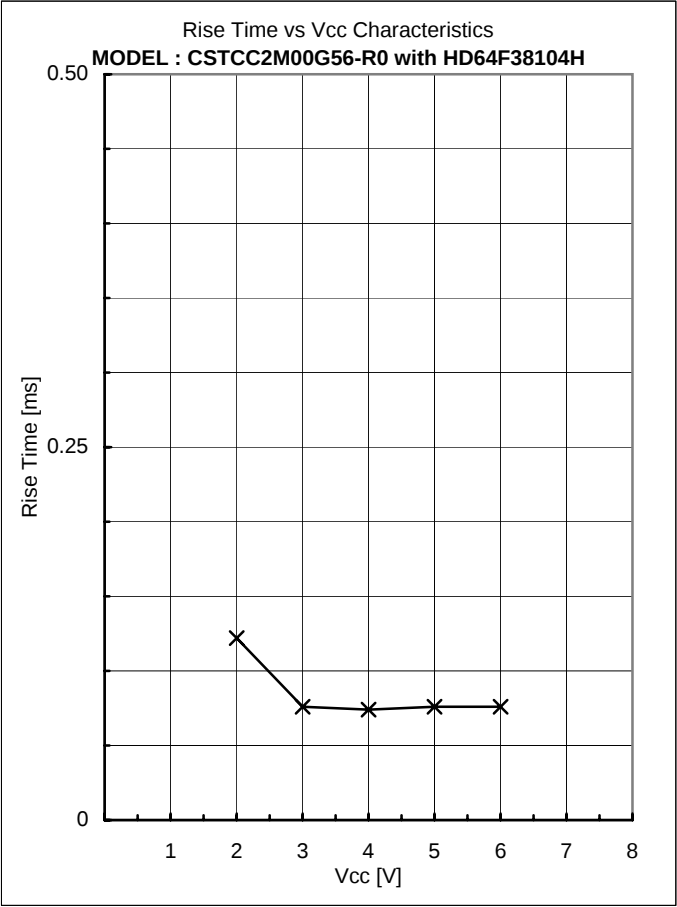
C1 = 47 [pF] (Typ.)

C2 = 47 [pF] (Typ.)

Rf = 1 [Mohm]

Ta = -40 to 85 [°C]





Appendixes

4. Comparison Table

4

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	5.25	-0.47	5.72	5.41	-0.19	5.60	2006.285	0.076	1.67
N高P低	5.22	-0.41	5.63	5.41	-0.16	5.57	2006.245	0.080	1.60
N低P高	5.19	-0.47	5.66	5.41	-0.22	5.63	2006.289	0.072	1.71
SG太太	5.19	-0.41	5.60	5.41	-0.19	5.60	2006.228	0.077	1.66
SG細細	5.19	-0.47	5.66	5.41	-0.19	5.60	2006.211	0.076	1.65

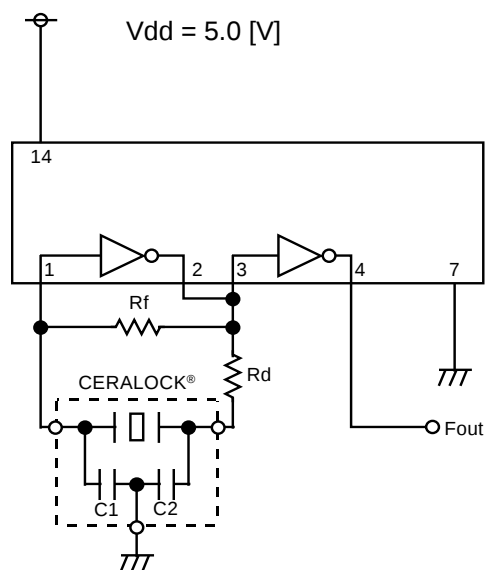
Ref.

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

Frequency Correlation Data

Sample No.	HD64F38104H Fosc [kHz]	TC74HCU04 Fosc [kHz]	Shift [%]
1	2006.352	2007.707	-0.0675
2	2005.507	2006.840	-0.0664
3	1995.913	1997.808	-0.0948
4	1998.356	1999.991	-0.0817
5	2001.933	2003.429	-0.0747
$\bar{X}$	2001.612	2003.155	-0.0770

muRata Standard Circuit



CERALOCK® : CSTCC2M00G56-R0

C1 = 47 [pF]

C2 = 47 [pF]

Rf = 1 [Mohm]

Rd = 1 [kohm]