

Technical Data of Ceramic Resonator

Type CSTS0800MG03





Applied to M34580E4

TOYAMA MURATA MANUFACTURING CO., LTD.

Product Engineering Service Section I

Planning Department

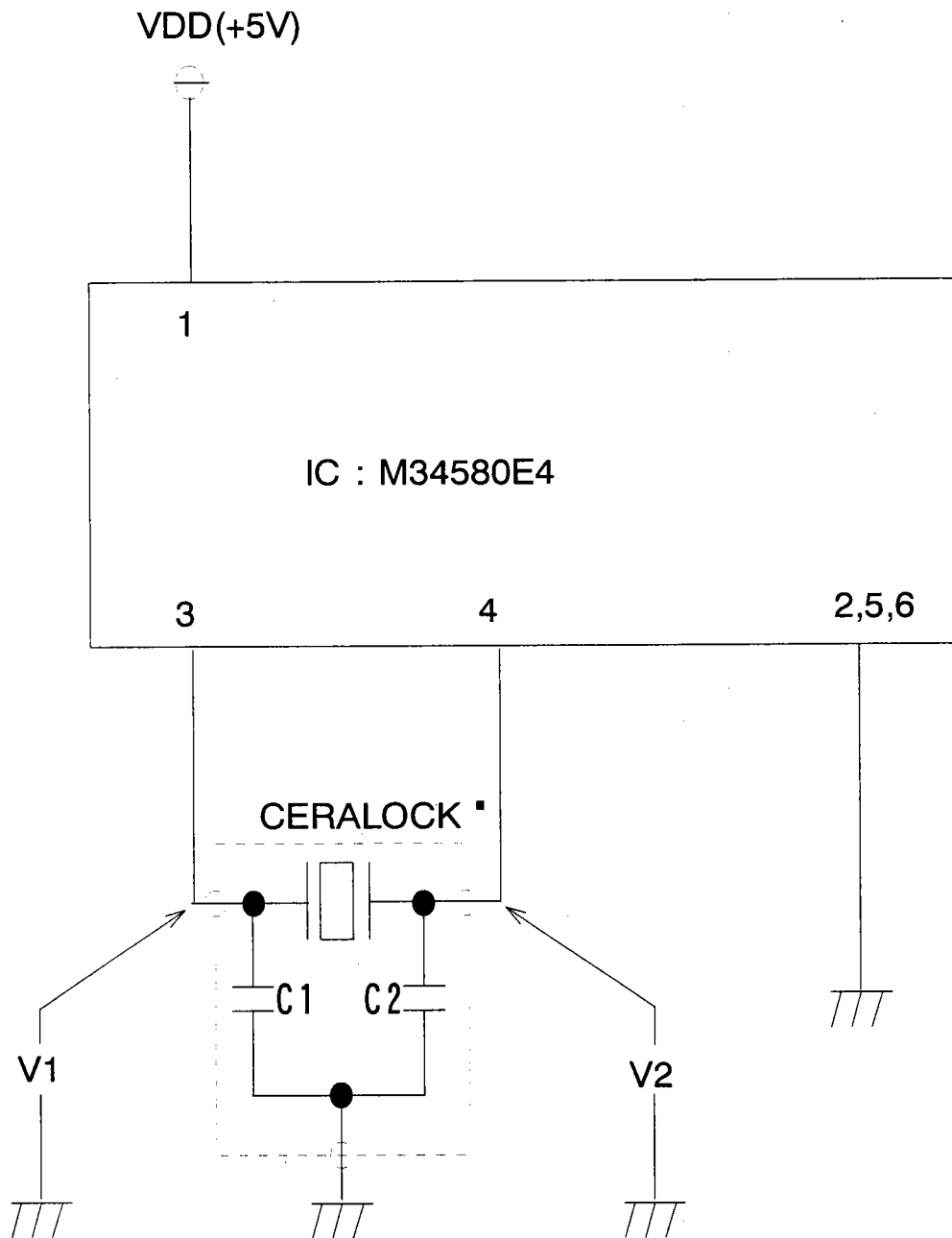
Piezoelectric Components Group

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Test Circuit

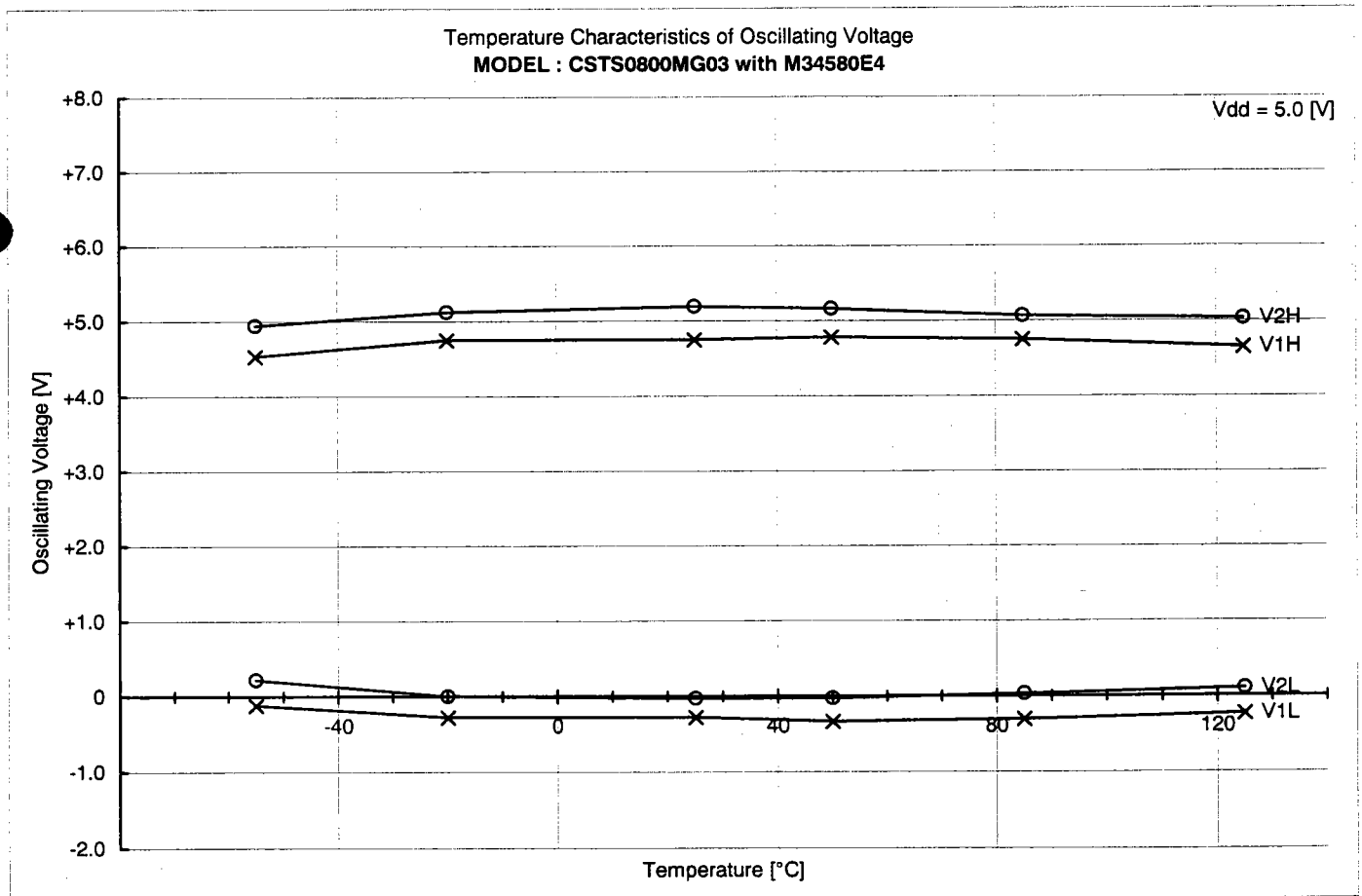
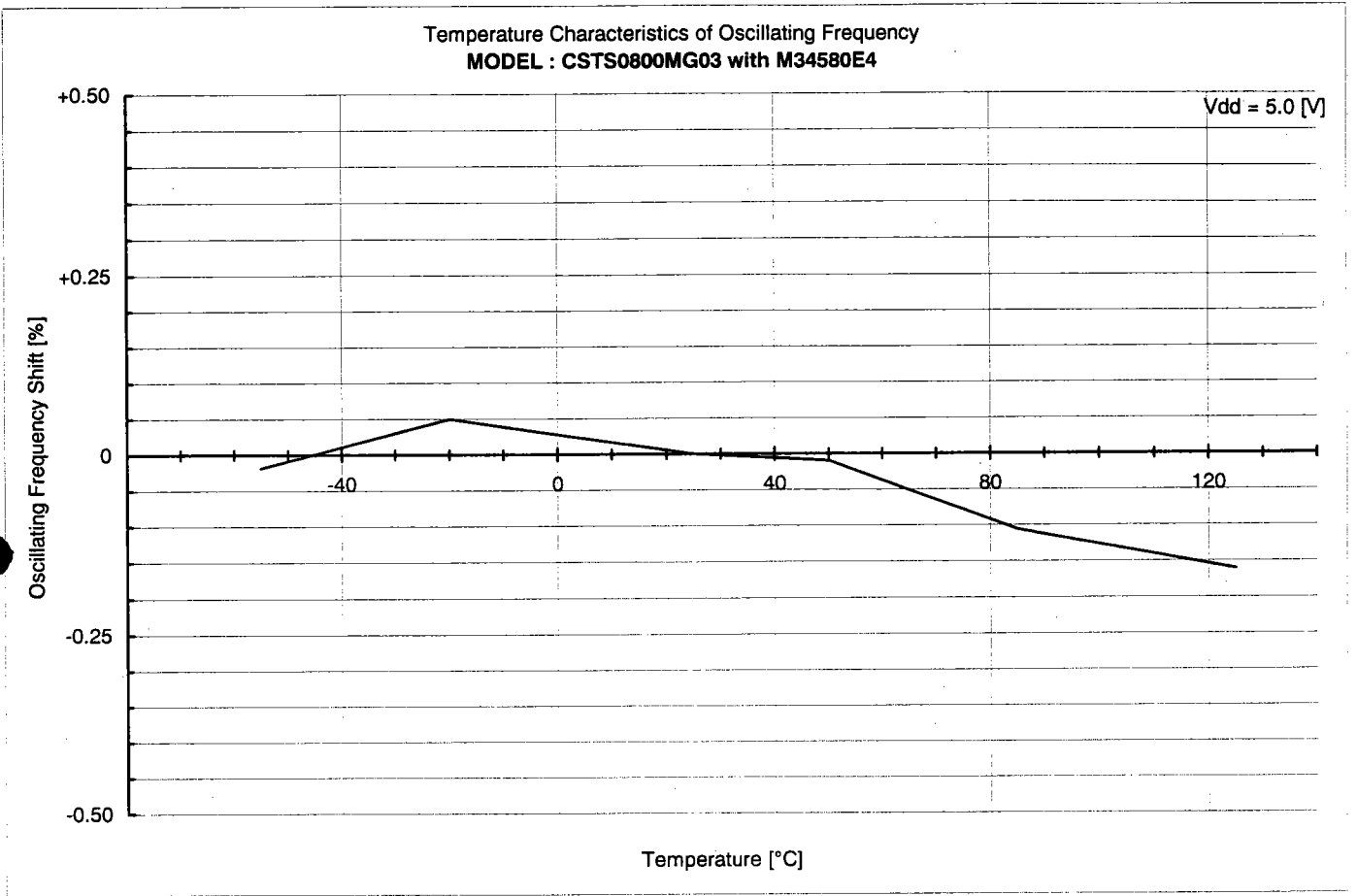


Recommendable Value

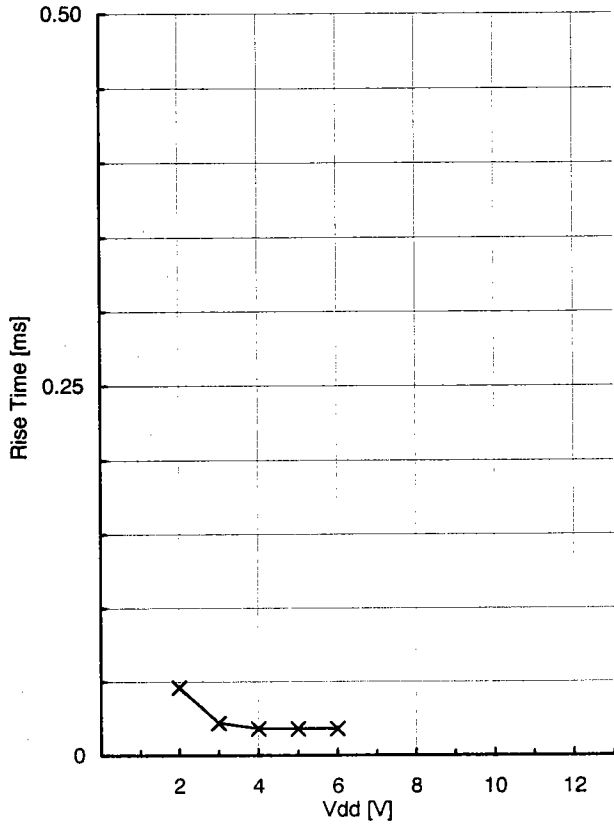
CERALOCK® : CSTS0800MG03

C1 = 15 [pF] (typ.)

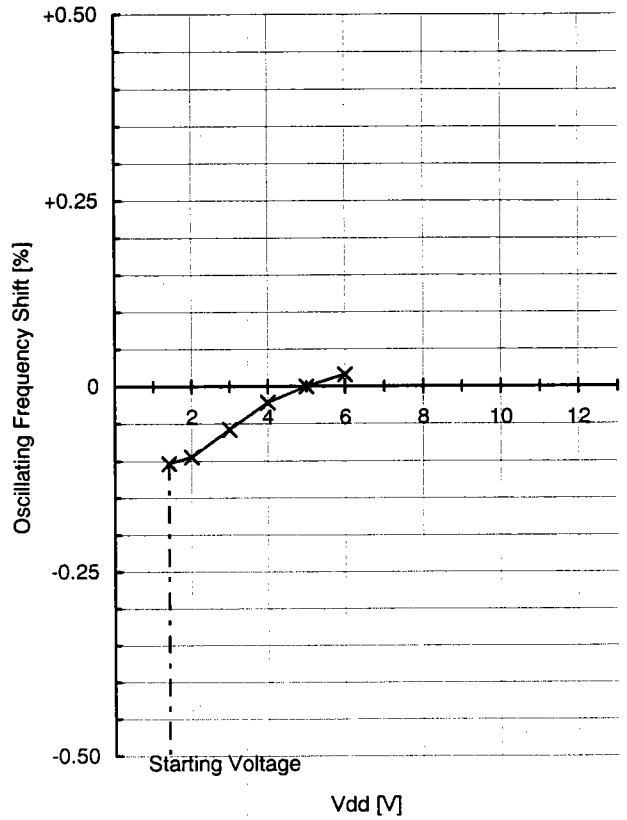
C2 = 15 [pF] (typ.)



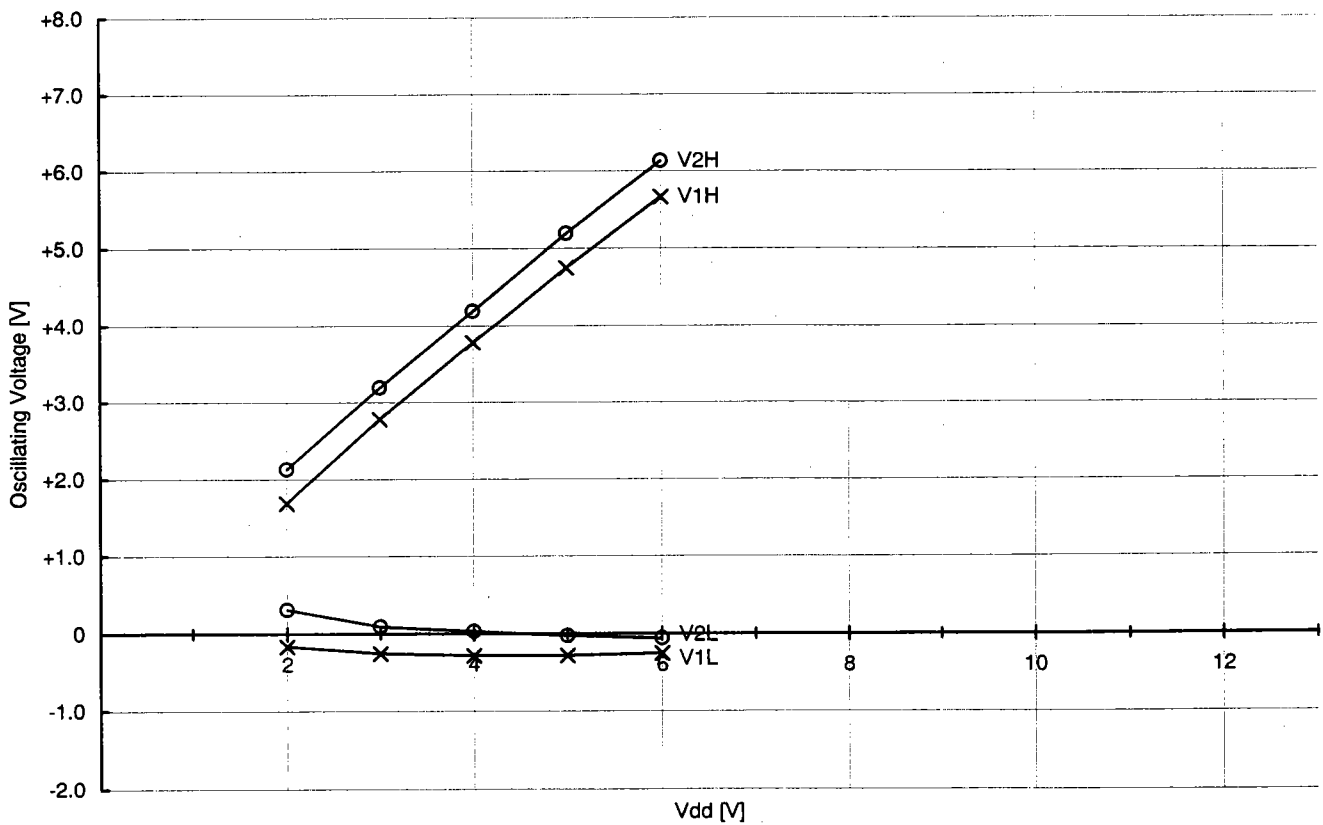
Rise Time vs Vdd Characteristics
 MODEL : CSTS0800MG03 with M34580E4



Oscillating Frequency vs Vdd Characteristics
 MODEL : CSTS0800MG03 with M34580E4



Oscillating Voltage vs Vdd Characteristics
 MODEL : CSTS0800MG03 with M34580E4



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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]
LL-1	4.69	-0.22	4.91	5.16	-0.03	5.19	7989.175	0.024	1.11
LL-2	4.69	-0.25	4.94	5.19	-0.06	5.25	7987.823	0.026	1.09
TT-3	4.75	-0.28	5.03	5.19	-0.03	5.22	7988.430	0.018	1.41
TT-4	4.69	-0.28	4.97	5.19	-0.03	5.22	7988.302	0.018	1.40
HH-5	4.69	-0.28	4.97	5.19	-0.03	5.22	7987.784	0.016	1.66
HH-6	4.69	-0.28	4.97	5.19	-0.03	5.22	7987.934	0.016	1.66

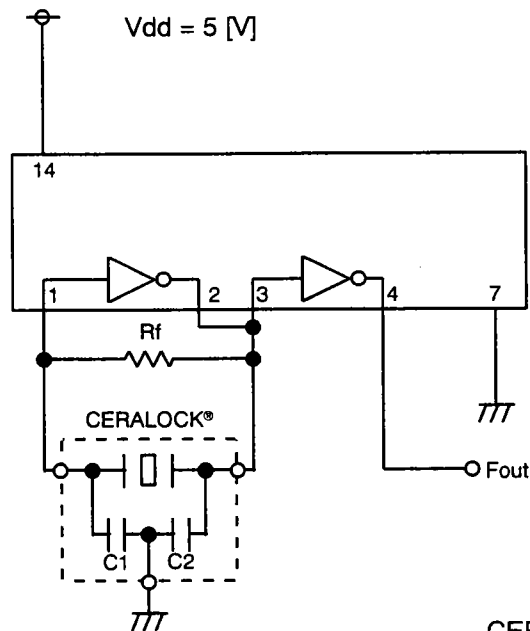
Ref.

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

Frequency Correlation Data

Sample No.	M34580E4 Fosc [kHz]	TC4069UBP Fosc [kHz]	Shift [%]
1	7988.285	7985.292	0.0375
2	7990.564	7987.402	0.0396
3	7994.102	7991.030	0.0384
4	7997.746	7994.821	0.0366
5	8000.834	7997.374	0.0433
\bar{X}	7994.306	7991.184	0.0391

muRata Standard Circuit



CERALOCK® : CSTS0800MG03

C1 = 15 [pF] (typ.)

C2 = 15 [pF] (typ.)

Rf = 1 [Mohm]