EPSON
EXCEED YOUR VISION

VG-4231CA 30.72MHz
Reliability test data

April. 11. 2013

SEIKO EPSON CORPORATION

TD Production Engineering Department

© SEIKO EPSON CORPORATION 200X. All rights reserved.

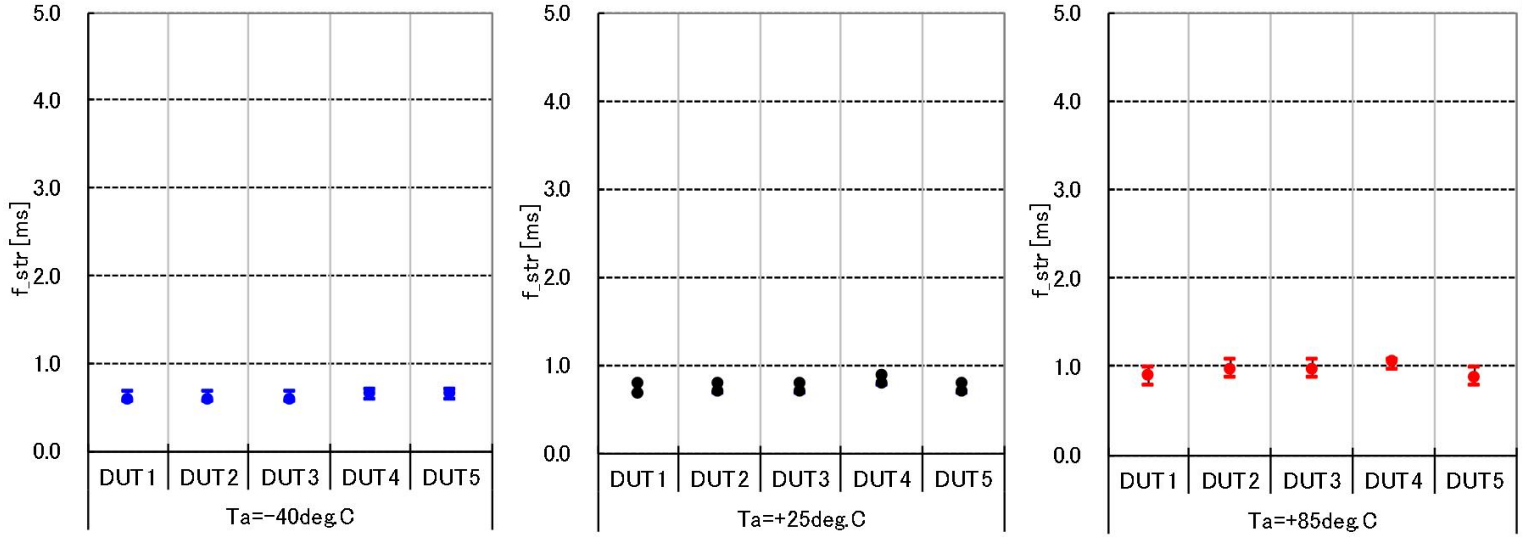


Startup time

Startup time

Product Name : VG-4231CA
Frequency : 30.72MHz
Quantity : 5pcs
Ta : −40 , +25, +105 deg.C

High low temperature power ON and OFF test data
Tset condition
Power on and off at each temperature for 20times,
the interval between each power on and off shall more than 2 seconds



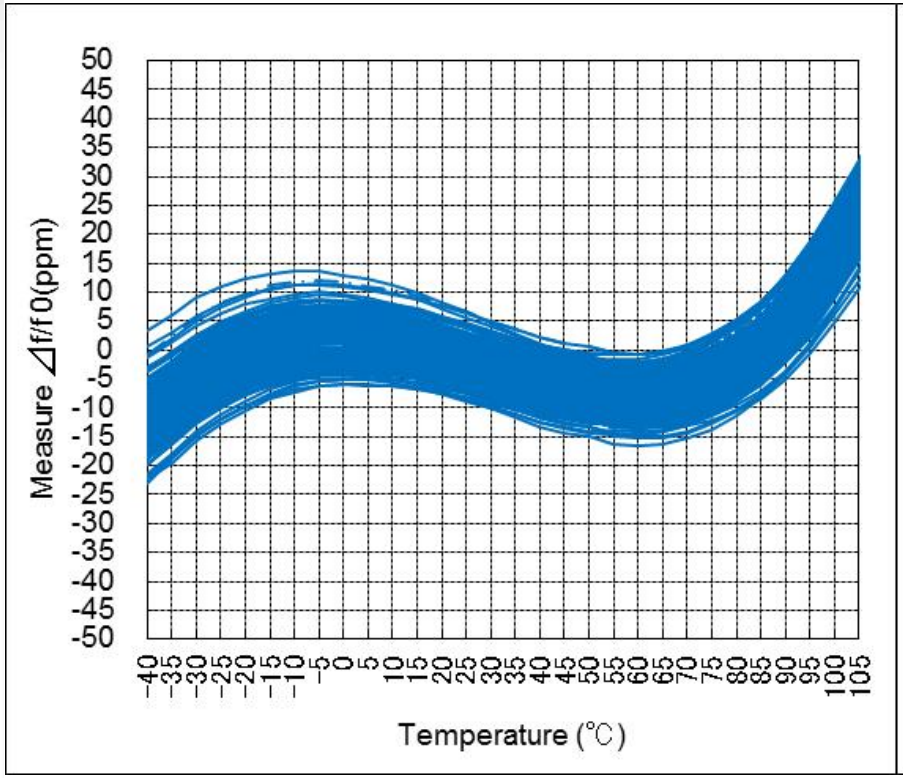
Max, Min, Ave, 1σ (quantity=5pcs)

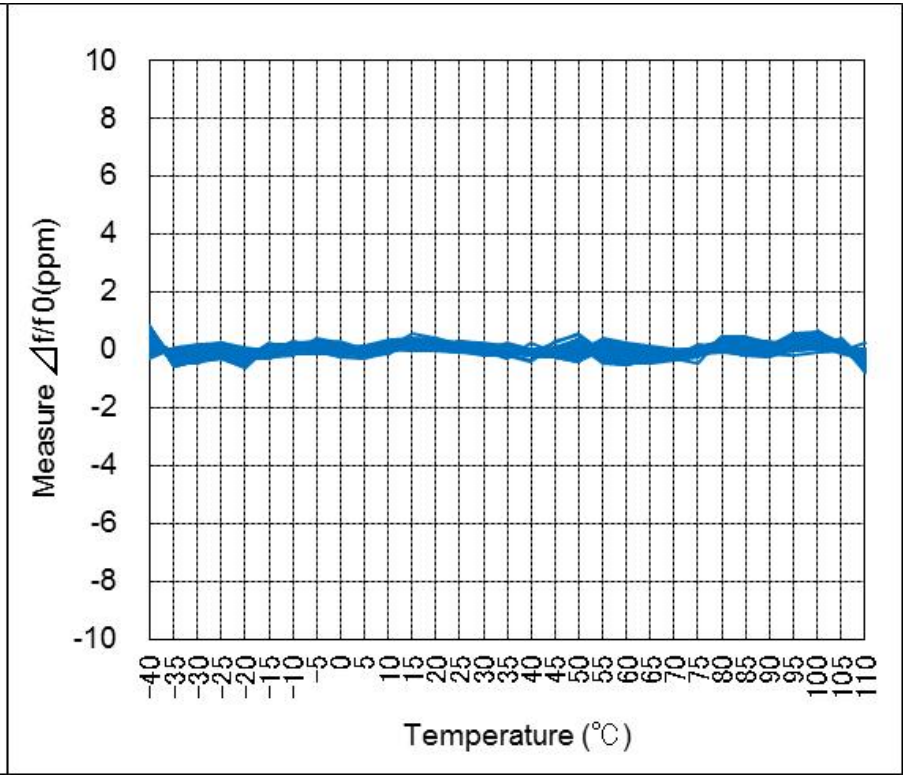
	Ta=−40deg.C					Ta=+25deg.C					Ta=+85deg.C				
	DUT1	DUT2	DUT3	DUT4	DUT5	DUT1	DUT2	DUT3	DUT4	DUT5	DUT1	DUT2	DUT3	DUT4	DUT5
Max	0.68	0.68	0.68	0.69	0.69	0.78	0.78	0.78	0.88	0.78	0.98	1.08	1.08	1.08	0.97
Min	0.56	0.56	0.56	0.57	0.57	0.66	0.66	0.66	0.77	0.66	0.77	0.87	0.87	0.96	0.77
Ave.	0.58	0.59	0.59	0.65	0.66	0.68	0.69	0.69	0.78	0.69	0.88	0.97	0.97	1.04	0.87
1σ	0.03	0.04	0.04	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.05	0.05	0.05	0.05	0.05

Unit:ms

Frequency tolerance

VG-4231CA 30.72MHz
Vcc=3.3V,Vc=1.65V　n=200pcs





EPSON

EXCEED YOUR VISION