Texas
Instruments
Incorporated

UC1525B-SP
5962-8951106V2A

Radiation Test Report

5962-8951106V2A (UC1525BFK-SP) Radiation Testing

Note: The following radiation test results are provided for information only, as these devices are not Radiation Hardness Assured (RHA) at this time.

Samples of the 5962-8951106V2A, UC1525BFK-SP, device have been evaluated to determine performance effects after Total Ionizing Dose (TID) radiation exposure. Since the purpose of this new device qualification was to improve low dose rate TID performance for the existing device function based on customer request, the initial radiation test plan for this device involved testing 40 units at a dose rate of 10 mrad/second, with samples pulled at various total dose intervals. Twenty samples were exposed under unbiased conditions, and 20 samples were exposed under biased conditions. For the biased samples, the bias conditions were the same as the circuit used for burn-in.

Radiation exposure for all samples was performed at Radiation Assured Device, Inc. in Colorado Springs, CO. Pre and post radiation electrical testing was performed by Texas Instruments in Sherman, TX.

The TID samples were pulled from the initial qualification lot after completing normal class-V processing (assembly, burn-in, full-temp testing), and serialized datalogs were collected at 25C before and after radiation exposure. The electrical testing results are included in the release documentation. The test results are summarized below.

Device Traceability Information Confirmed By: Date:	 Kevin Treece 10/23/2008
Full Device Name:	5962-8951106V2A
Datecode or Lot Trace Code:	0827A
A/T Lot #:	8019353ALP
Full Die Name (Alias with Die Rev):	SMFYBRC1525VS
Die Lot #:	8124616SHE

Summary: Units pass up to 40 krad(Si)

Dose rate requirement: 10 mrad(Si)/sec

Exposure groups by S/N:

Control – SN 54 (no radiation exposure)

Biased samples:
10krad(Si) – SN 31, 32, 33, 34, 36
20krad(Si) – SN 37, 38, 39, 40, 41
30krad(Si) – SN 42, 43, 44, 45, 46
40krad(Si) – SN 47, 50, 51, 52, 53

Unbiased samples:
10krad(Si) – SN 5, 7, 8, 9, 10
20krad(Si) – SN 11, 12, 13, 14, 15
30krad(Si) – SN 16, 17, 18, 19, 22
40krad(Si) – SN 25, 27, 28, 29, 30

Units: 41

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				6	6	6	6	0	#DIV/0!	#DIV/0!	6		
ICC @35V	m a	16.4927358	0.5	8.33399943	9.0356	9.41509268	9.6479	0.18018221	-0.7285	-0.6759	10.4961859	19	17.7318789
VREF; VIN20V	v	1.25440928	5.064	5.0450597	5.0808	5.09586585	5.1114	0.00846769	-0.0122	-0.8862	5.146672	5.136	1.57989321
VREF LOAD REG IL0-20MA	m v	11.0103263	-13	0.07491515	2.4089	2.97712195	4.9976	0.48370113	2.0443	6.504	5.87932876	13	6.90707363
VREF LINE REG. VIN8-35V	m v	6.84116199	-9.999	-5.6920297	-4.73	-3.9127171	-3.3152	0.2965521	-0.5028	0.4911	-2.1334045	9.999	15.6371814
VREF @ VIN 8V ILOAD 0MA	v	2.17444202	5.038	5.04245751	5.0785	5.09356341	5.1095	0.00851765	-0.0013	-0.8651	5.14466932	5.162	2.6782261
VREF @ VIN 35V ILOAD 0MA	v	2.33124257	5.038	5.04645114	5.0827	5.09747805	5.1133	0.00850448	0.0056	-0.8731	5.14850496	5.162	2.52893837
VREF @ VIN 35V ILOAD 20MA	v	2.23950383	5.038	5.04413108	5.081	5.09532927	5.1112	0.00853303	-0.0133	-0.9248	5.14652746	5.162	2.60441766
VREF @ VIN 8V ILOAD 20MA	v	2.02901455	5.038	5.03874708	5.0755	5.0902439	5.1061	0.0085828	-0.0378	-0.9126	5.14174073	5.162	2.78681643
VREF ISC	m a	20.7910713	-98	-67.050646	-64.8197	-63.756598	-62.9508	0.54900814	-0.263	-1.0655	-60.462549	-12	31.4243046
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	32.1372502	0	0.29940839	0.31	0.31927805	0.3245	0.00331161	-0.822	1.0673	0.3391477	0.68	36.3088275
SOFT-START CURRENT,SHUTDOWN0V	u a	7.86829562	-79	-59.937329	-55.0559	-53.440495	-50.6054	1.08280565	0.6513	-0.0576	-46.943661	-26	8.4473439
ERROR AMP VIO (VCM5.1V)	m v	3.40250524	-4.8	-3.2145776	-1.6833	-0.9537341	-0.0625	0.37680724	0.2796	-0.424	1.30710931	4.8	5.08990052
ERROR AMP IIB (VCM5.1V)	u a	10.8381175	0	0.26532483	0.305	0.32536585	0.3453	0.01000684	0.0751	-0.7124	0.38540688	9	288.956886
ERROR AMP IIO (VCM5.1V)	u a	29.8891004	-0.8	-0.047564	0	0.00639512	0.057	0.00899319	4.6232	25.968	0.06035427	0.8	29.415029
ERROR AMP AVOL (VCM5.1V)	db	30.5885882	61	75.0837511	75.679	76.069022	76.4838	0.16421181	0.1059	0.6508	77.0542928	200	251.567332
ERROR AMP VOH	v	71.6683374	3.85	5.68631814	5.7236	5.73903415	5.7556	0.008786	-0.0268	-0.8759	5.79175015	10	161.657395
ERROR AMP VOL	v	15.1893035	0	0.00728549	0.008	0.00839024	0.0087	0.00018413	0.0241	-0.5738	0.009495	0.45	799.469561
ERROR AMP CMRR (VCM1.5-5.2V)	db	24.2193255	61.2	81.9251002	83.0679	83.7906024	84.4014	0.31091703	-0.3138	-0.4117	85.6561046	200	124.58779
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	38.3132292	51.2	88.9398998	90.3271	91.0184756	91.7685	0.3464293	-0.1319	-0.453	93.0970514	200	104.861727
OUTPUT (A) HIGH @20MA	v	84.6267743	18.02	18.5787247	18.5884	18.5922488	18.5969	0.00225401	0.2687	-0.4174	18.6057728	20	208.184707
OUTPUT (A) HIGH @100MA	v	156.626364	17.02	18.4680869	18.4809	18.4868171	18.4931	0.00312169	0.5132	-0.5129	18.5055472	20	161.577299
OUTPUT (B) HIGH @20MA	v	81.6468312	18.02	18.5800227	18.5889	18.5940854	18.5986	0.00234377	0.1961	-0.5011	18.608148	20	199.950185
OUTPUT (B) HIGH @100MA	v	143.542545	17.02	18.4683711	18.4846	18.4888366	18.4967	0.00341092	0.6909	-0.69	18.5093021	20	147.678948
OUTPUT (B) LOW @20MA	m v	16.7114504	0	98.4748524	107.0186	111.862363	115.8974	2.23125184	-0.66	-0.4366	125.249874	380	40.0578773
OUTPUT (B) LOW @100MA	v	11.5543339	0	0.51376804	0.5837	0.62131463	0.645	0.01792443	-0.6124	-0.7714	0.72886123	1.98	25.2669155
OUTPUT (A) LOW @20MA	m v	17.4508056	0	99.4711777	107.6189	112.347034	116.165	2.14597607	-0.5278	-0.5087	125.222891	380	41.5743942
OUTPUT (A) LOW @100MA	v	12.0624689	0	0.52059556	0.588	0.62406829	0.647	0.01724546	-0.578	-0.7587	0.72754102	1.98	26.2084842
UNDERVOLTAGE LOCKOUT	v	5.65988695	6.05	6.8117625	7.1799	7.22803902	7.5571	0.06937942	4.1502	17.228	7.64431555	7.95	3.46866056
SHUTDOWN INPUT CURRENT @ 2.5V	m a	10.9773821	0	0.17893821	0.2028	0.21880244	0.2306	0.00664404	-0.3382	-0.1282	0.25866667	0.9	34.1758801
80515	k hz	Infinite	-0.1	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.1	Infinite
COLLECTOR LEAKAGE @ 35V	u a	12.3007618	0	69.105794	76.4019	82.5234024	85.2664	2.23626806	-1.0339	0.4756	95.9410108	195	16.765521
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	8.14860223	37.8	39.8541474	40.1864	40.5223146	40.6876	0.11136121	-0.914	0.9689	41.1904819	42.2	5.02175265
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	13.872103	-0.9	0.08871253	0.1574	0.25527317	0.286	0.02776011	-1.9258	4.4106	0.42183381	0.9	7.74164693
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	90.0567983	0	79.7394335	80.8219	81.5505244	82.1	0.30184848	-0.2479	-0.4333	83.3616153	119	41.3557104
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	90.2027704	0	79.7434256	80.8254	81.5516098	82.1007	0.30136402	-0.2527	-0.4308	83.3597939	119	41.4209916
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	14.130931	404	557.605571	575.1904	582.930185	590.9647	4.22076898	-0.2982	-0.9095	608.254799	1000	32.9379012
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	14.0524718	404	557.168841	574.7514	582.585841	590.6511	4.23616675	-0.3124	-0.8943	608.002842	1000	32.8452729
NC OF CROSSCONDUCTION	n a			24.4122767	27.6706	29.8126244	31.7745	0.90005795	-0.1376	-0.3339	35.2129721		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	20.0665012	3	3.32677199	3.35	3.36294634	3.376	0.00602906	0.0435	-0.3022	3.39912069	3.59	12.5532951
CLOCK WIDTH	u s	8.6564154	0.305	0.68150784	0.76	0.79463415	0.83	0.01885438	-0.0108	-0.6574	0.90776045	0.98	3.27714855
CLOCK AMP	v	49.1255312	3.01	4.20347824	4.2402	4.25412927	4.273	0.00844184	0.2172	-0.7026	4.30478029	4.99	29.0564988
MAX DUTY CYCLE A @ VCOMP3.6V	%	15.1559837	45.1	47.5851785	47.8236	47.9629805	48.0968	0.062967	0.1819	-0.2881	48.3407825	49.9	10.2541517
MAX DUTY CYCLE B @ VCOMP3.6V	%	16.3670323	45.1	47.5811277	47.805	47.9265195	48.0352	0.0575653	-0.1649	-0.3951	48.2719113	49.9	11.4274883
MIN DUTY CYCLE B @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite

Units: 41

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite
SYNC INPUT CURRENT @ 3.5V	m a	16.7752815	0.01	1.07501617	1.161	1.21917805	1.2517	0.02402698	-1.0419	0.1864	1.36333993	2.49	17.6304855
VREF; VIN20V	v	1.25870701	5.064	5.04508666	5.0816	5.09611463	5.1118	0.00850466	-0.0026	-0.8976	5.14714261	5.136	1.56327453
VREF DRIFT	m v	27.9418504	-24	-1.4907452	-0.1134	0.24461707	1.1371	0.28922705	0.9259	0.7799	1.97997939	24	27.3780094
SHUTDOWN THRESHOLD TO OUTPUT A	v	23.1213479	0.62	0.83531192	0.8465	0.8557	0.8615	0.00339801	-0.7272	0.7054	0.87608808	0.98	12.1933964
SHUTDOWN THRESHOLD TO OUTPUT B	v	21.907926	0.62	0.83443756	0.8436	0.85598049	0.862	0.00359049	-1.4406	3.0756	0.87752342	0.98	11.5137074
SYNC THRESHOLD	v	35.3163472	1.21	2.00578237	2.0353	2.05355366	2.0702	0.00796188	-0.6037	0.0981	2.10132494	2.79	30.8321758
OSCILLATOR SAWTOOTH VALLEY	v	38.2037359	0.62	0.92159048	0.9324	0.93825122	0.9436	0.00277679	-0.1961	-0.5892	0.95491196	2	127.455191
CT CURRENT MIRROR, RT2MA	m a	14.6450701	1.72	2.00035954	2.0262	2.04470244	2.0578	0.00739048	-0.4789	-0.209	2.08904534	2.18	6.10233255

Units: 41

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				6	6	6	6	0	#DIV/0!	#DIV/0!	6		
ICC @35V	m a	16.6841356	0.5	8.29040209	8.9866	9.35146585	9.6043	0.17684396	-0.6575	-0.7066	10.4125296	19	18.1865303
VREF; VIN20V	v	1.21256157	5.064	5.04396678	5.0803	5.09484878	5.1105	0.00848033	0.0629	-0.8969	5.14573078	5.136	1.61751572
VREF LOAD REG IL0-20MA	m v	18.814987	-13	1.0729298	2.1745	2.74678537	3.5041	0.27897593	0.4272	0.3387	4.42064093	13	12.2510148
VREF LINE REG. VIN8-35V	m v	4.95480129	-9.999	-6.6421992	-4.8832	-4.3701	-3.6567	0.3786832	0.1098	-1.159	-2.0980008	9.999	12.6483034
VREF @ VIN 8V ILOAD 0MA	v	2.11667855	5.038	5.04099912	5.0778	5.09240732	5.1087	0.00856803	0.0682	-0.8254	5.14381552	5.162	2.70745457
VREF @ VIN 35V ILOAD 0MA	v	2.30479493	5.038	5.04577174	5.0826	5.09676829	5.1128	0.00849942	0.0721	-0.8654	5.14776484	5.162	2.55827933
VREF @ VIN 35V ILOAD 20MA	v	2.2477273	5.038	5.04427646	5.0805	5.09494878	5.1104	0.00844539	0.0297	-0.9283	5.1456211	5.162	2.64646328
VREF @ VIN 8V ILOAD 20MA	v	2.00833246	5.038	5.03821295	5.0744	5.08932683	5.1052	0.00851898	0.0561	-0.8718	5.14044071	5.162	2.84357888
VREF ISC	m a	20.5745454	-98	-67.241604	-64.8462	-63.929717	-62.9096	0.55198114	0.2029	-1.0534	-60.61783	-12	31.3595965
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	29.4147562	0	0.29927651	0.3122	0.32110976	0.3282	0.00363887	-0.3296	0.132	0.342943	0.68	32.8755786
SOFT-START CURRENT,SHUTDOWN0V	u a	8.02784182	-79	-59.585741	-54.8116	-53.144212	-50.5338	1.07358816	0.6072	-0.2667	-46.702683	-26	8.42787864
ERROR AMP VIO (VCM5.1V)	m v	3.44849854	-4.8	-3.1518755	-1.6451	-0.8762439	-0.0065	0.37927193	0.2177	-0.3822	1.39938768	4.8	4.98871956
ERROR AMP IIB (VCM5.1V)	u a	9.50643773	0	0.27117348	0.3243	0.34342439	0.3736	0.01204182	0.4324	-0.2703	0.4156753	9	239.625371
ERROR AMP IIO (VCM5.1V)	u a	30.6464282	-0.8	-0.0460664	0	0.00657073	0.0565	0.00877286	4.781	27.325	0.05920791	0.8	30.1471057
ERROR AMP AVOL (VCM5.1V)	db	22.1329591	61	74.3127464	75.0861	75.6352293	76.1781	0.22041381	0.1491	0.5023	76.9577121	200	188.077708
ERROR AMP VOH	v	68.364858	3.85	5.68360036	5.7234	5.73885854	5.7577	0.0092097	0.2305	-0.8724	5.79411671	10	154.226653
ERROR AMP VOL	v	5.28771683	0	0.00602202	0.0087	0.00968537	0.0109	0.00061056	0.2246	-0.8691	0.01334871	0.45	240.389381
ERROR AMP CMRR (VCM1.5-5.2V)	db	20.9512134	61.2	81.5556697	82.9653	83.7038878	84.3977	0.35803635	-0.35	-0.3299	85.8521059	200	108.272165
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	27.9787712	51.2	87.4740679	89.217	90.266661	91.2133	0.46543217	-0.0565	-0.1155	93.059254	200	78.5888506
OUTPUT (A) HIGH @20MA	v	36.721208	18.02	18.5426436	18.5528	18.5727488	18.5806	0.00501753	-1.7088	5.1337	18.6028539	20	94.8177379
OUTPUT (A) HIGH @100MA	v	93.0597657	17.02	18.4376153	18.4485	18.4687512	18.4777	0.00518932	-1.3131	4.6249	18.4998872	20	98.3589528
OUTPUT (B) HIGH @20MA	v	36.2128141	18.02	18.5440022	18.5542	18.5746341	18.5829	0.00510532	-1.7304	5.3442	18.6052661	20	93.0640658
OUTPUT (B) HIGH @100MA	v	87.9691668	17.02	18.4370577	18.4492	18.4700244	18.4801	0.00549444	-1.0971	4.0955	18.502991	20	92.819597
OUTPUT (B) LOW @20MA	m v	17.7892875	0	100.025857	108.6295	112.695949	116.2838	2.11168189	-0.2556	-0.761	125.36604	380	42.1944947
OUTPUT (B) LOW @100MA	v	11.7483281	0	0.5193851	0.592	0.6259439	0.6507	0.0177598	-0.3655	-0.9836	0.73250271	1.98	25.4142508
OUTPUT (A) LOW @20MA	m v	18.3419632	0	100.823365	109.0682	113.162563	116.5227	2.0565331	-0.1817	-0.8058	125.501762	380	43.2503674
OUTPUT (A) LOW @100MA	v	12.2299201	0	0.52559075	0.5959	0.62834634	0.6539	0.01712593	-0.3041	-0.9369	0.73110193	1.98	26.3081284
UNDERVOLTAGE LOCKOUT	v	5.42619403	6.05	6.79181549	7.1815	7.22484146	7.5692	0.07217099	4.1708	17.398	7.65786743	7.95	3.34926119
SHUTDOWN INPUT CURRENT @ 2.5V	m a	10.761772	0	0.17777416	0.2018	0.21835366	0.2321	0.00676325	-0.4977	0.2429	0.25893316	0.9	33.5956015
80515	k hz	Infinite	-0.1	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.1	Infinite
COLLECTOR LEAKAGE @ 35V	u a	11.8018066	0	67.8480482	75.5375	81.6920366	85.0383	2.30733139	-0.9935	0.3309	95.5360249	195	16.3692659
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	8.11899292	37.8	39.9460841	40.32	40.6475341	40.8346	0.11690835	-0.8963	0.9146	41.3489842	42.2	4.4264471
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	10.1900884	-0.9	0.01234037	0.1334	0.23513171	0.2829	0.03713189	-1.1745	0.8959	0.45792304	0.9	5.96852913
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	73.3110479	0	79.4576462	81.018	81.6861268	82.431	0.37141345	-0.0983	-0.5601	83.9146075	119	33.488173
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	73.478489	0	79.4615001	81.0165	81.6848683	82.4238	0.37056137	-0.1047	-0.5679	83.9082365	119	33.5663086
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	13.0410362	404	558.813542	577.0184	586.856841	596.5141	4.67388324	-0.2151	-0.6179	614.900141	1000	29.4646612
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	12.9588469	404	558.318768	576.6675	586.48209	596.2918	4.69388702	-0.2014	-0.6036	614.645412	1000	29.3657054
NC OF CROSSCONDUCTION	n a			23.1750168	26.9635	29.2729878	31.9093	1.01632851	0.0726	0.2818	35.3709588		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	19.9897855	3	3.3252986	3.349	3.36146341	3.3752	0.00602747	0.1434	-0.2525	3.39762823	3.59	12.6386161
CLOCK WIDTH	u s	8.79787418	0.305	0.68049992	0.75	0.79097561	0.82	0.01841261	-0.1504	-0.6959	0.9014513	0.98	3.42200878
CLOCK AMP	v	49.4850392	3.01	4.20071704	4.2359	4.25086829	4.2662	0.00835854	0.1455	-0.8374	4.30101954	4.99	29.4761029
MAX DUTY CYCLE A @ VCOMP3.6V	%	16.6059702	45.1	47.6175257	47.8246	47.9622512	48.0758	0.05745426	-0.0597	-0.2685	48.3069768	49.9	11.2422691
MAX DUTY CYCLE B @ VCOMP3.6V	%	16.6390297	45.1	47.5917028	47.7987	47.932122	48.0351	0.05673652	-0.3923	-0.2111	48.2725411	49.9	11.5615012
MIN DUTY CYCLE B @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite

Units: 41

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite
SYNC INPUT CURRENT @ 3.5V	m a	16.9070538	0.01	1.07572686	1.1627	1.21870976	1.2507	0.02383048	-0.9994	0.09	1.36169265	2.49	17.7824101
VREF; VIN20V	v	1.21674199	5.064	5.04391393	5.0806	5.09520244	5.1112	0.00854808	0.0648	-0.8809	5.14649094	5.136	1.59090466
VREF DRIFT	m v	32.4497026	-24	-1.149015	-0.056	0.35188537	1.0449	0.25015006	1.0649	1.2797	1.85278574	24	31.5119045
SHUTDOWN THRESHOLD TO OUTPUT A	v	12.6271606	0.62	0.82081461	0.8386	0.85860732	0.867	0.00629879	-1.565	2.2674	0.89640003	0.98	6.424132
SHUTDOWN THRESHOLD TO OUTPUT B	v	24.8548596	0.62	0.84098393	0.8534	0.86032195	0.8674	0.003223	-0.0446	-0.2202	0.87965998	0.98	12.377484
SYNC THRESHOLD	v	20.1792756	1.21	1.97249218	2.0187	2.05637805	2.0824	0.01398098	-0.3106	0.2428	2.14026392	2.79	17.4909541
OSCILLATOR SAWTOOTH VALLEY	v	35.7972696	0.62	0.92411112	0.9353	0.94210732	0.9484	0.00299937	-0.0986	-0.3347	0.96010351	2	117.568486
CT CURRENT MIRROR, RT2MA	m a	14.0138557	1.72	1.99703868	2.026	2.04315854	2.0564	0.00768664	-0.3895	-0.4524	2.0892784	2.18	5.93416637

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				6	6	6	6	0	#DIV/0!	#DIV/0!	6		
ICC @35V	m a	12.3150358	0.5	7.85830551	8.9866	9.28502	9.5128	0.23778575	-0.5448	-2.6952	10.7117345	19	13.6186743
VREF; VIN20V	v	1.38844204	5.064	5.04743857	5.0886	5.1016	5.1102	0.0090269	-0.639	-0.7578	5.15576143	5.136	1.27027676
VREF LOAD REG IL0-20MA	m v	13.0452793	-13	0.5105978	2.5942	2.957	3.5041	0.4077337	0.7202	-2.2895	5.4034022	13	8.21042427
VREF LINE REG. VIN8-35V	m v	16.5714526	-9.999	-4.7585907	-4.2346	-4.03932	-3.9619	0.11987845	-1.4766	1.4656	-3.3200493	9.999	39.0348735
VREF @ VIN 8V ILOAD 0MA	v	2.24161858	5.038	5.04463756	5.0865	5.09958	5.1087	0.00915707	-0.5757	-0.8072	5.15452244	5.162	2.27219603
VREF @ VIN 35V ILOAD 0MA	v	2.3949236	5.038	5.04881086	5.0905	5.10356	5.1126	0.00912486	-0.5976	-0.8041	5.15830914	5.162	2.13482817
VREF @ VIN 35V ILOAD 20MA	v	2.37290308	5.038	5.04799478	5.0884	5.1016	5.1102	0.0089342	-0.7428	-0.2829	5.15520522	5.162	2.25351173
VREF @ VIN 8V ILOAD 20MA	v	2.15083203	5.038	5.04208982	5.0834	5.09632	5.1052	0.00903836	-0.5912	-0.8287	5.15055018	5.162	2.42226763
VREF ISC	m a	36.4041609	-98	-66.225	-64.6622	-64.37784	-63.8974	0.30786005	1.0413	0.8589	-62.53068	-12	56.7117436
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	37.0780269	0	0.30213362	0.3165	0.31936	0.3237	0.00287106	0.7989	0.3297	0.33658638	0.68	41.8706776
SOFT-START CURRENT,SHUTDOWN0V	u a	6.8240598	-79	-60.347085	-53.5686	-52.6138	-50.5338	1.28888085	1.3982	1.2585	-44.880515	-26	6.88292224
ERROR AMP VIO (VCM5.1V)	m v	2.27661417	-4.8	-4.3377974	-1.6451	-0.99594	-0.3387	0.55697624	0.0606	-2.297	2.34591745	4.8	3.46869374
ERROR AMP IIB (VCM5.1V)	u a	9.97813926	0	0.26967621	0.3243	0.33728	0.3509	0.0112673	-0.0699	-2.1784	0.40488379	9	256.279135
ERROR AMP IIO (VCM5.1V)	u a	12.0442287	-0.8	-0.1187334	0.0007	0.01692	0.0565	0.02260889	2.0035	4.1817	0.15257335	0.8	11.54531
ERROR AMP AVOL (VCM5.1V)	db	27.0993866	61	74.6520969	75.5753	75.73994	75.989	0.18130718	0.5663	-1.625	76.8277831	200	228.452179
ERROR AMP VOH	v	66.7964204	3.85	5.69216007	5.7345	5.74902	5.7577	0.00947666	-1.0445	0.1568	5.80587993	10	149.524622
ERROR AMP VOL	v	27.1426956	0	0.00826273	0.0088	0.00892	0.0091	0.00010954	1.2932	2.9167	0.00957727	0.45	1342.1637
ERROR AMP CMRR (VCM1.5-5.2V)	db	19.9688298	61.2	81.5838581	83.4002	83.85266	84.3977	0.37813366	0.4318	0.1726	86.1214619	200	102.386495
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	43.5226473	51.2	88.9092767	90.2745	90.7256	91.0694	0.30272056	-0.6499	0.4873	92.5419233	200	120.324832
OUTPUT (A) HIGH @20MA	v	82.2593354	18.02	18.5555349	18.5652	18.56888	18.5711	0.00222419	-1.4274	2.667	18.5822251	20	214.478538
OUTPUT (A) HIGH @100MA	v	183.324769	17.02	18.4501456	18.4626	18.46592	18.4694	0.00262907	0.2003	-0.7381	18.4816944	20	194.502366
OUTPUT (B) HIGH @20MA	v	58.8662315	18.02	18.5522023	18.5656	18.57092	18.5737	0.00311962	-1.7225	3.4202	18.5896377	20	152.698312
OUTPUT (B) HIGH @100MA	v	156.171975	17.02	18.4485679	18.4626	18.4671	18.4713	0.00308869	-0.2392	1.9066	18.4856321	20	165.431566
OUTPUT (B) LOW @20MA	m v	36.6480932	0	106.113921	111.169	112.23916	113.6074	1.02087312	0.318	-1.5709	118.364399	380	87.4287033
OUTPUT (B) LOW @100MA	v	19.8988916	0	0.56342373	0.6139	0.62638	0.6379	0.01049271	-0.1299	-2.4992	0.68933627	1.98	43.0019119
OUTPUT (A) LOW @20MA	m v	33.2482619	0	105.835323	111.4551	112.60916	114.0461	1.1289729	0.3137	-2.244	119.382997	380	78.948113
OUTPUT (A) LOW @100MA	v	21.0236216	0	0.56899967	0.6173	0.62882	0.6402	0.00997006	0.1213	-2.4829	0.68864033	1.98	45.1746079
UNDERVOLTAGE LOCKOUT	v	2.63382373	6.05	6.348254	7.205	7.28938	7.5692	0.15685433	2.2057	4.8899	8.230506	7.95	1.40389278
SHUTDOWN INPUT CURRENT @ 2.5V	m a	22.4927337	0	0.19708534	0.212	0.21632	0.2209	0.00320578	0.1915	1.3425	0.23555466	0.9	71.0883514
80515	k hz	Infinite	-0.1	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.1	Infinite
COLLECTOR LEAKAGE @ 35V	u a	9.8272579	0	63.8006489	76.3379	80.10282	82.3971	2.71702852	-0.8064	-1.96	96.4049911	195	14.0959359
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	8.31074487	37.8	39.93767	40.4326	40.61514	40.7145	0.11291166	-1.2832	1.7382	41.29261	42.2	4.67876095
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	7.16525884	-0.9	-0.0921582	0.1334	0.22064	0.262	0.05213303	-1.5795	2.654	0.53343819	0.9	4.34375914
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	118.661629	0	79.8704138	81.0195	81.23968	81.5758	0.22821104	0.8279	-0.5426	82.6089462	119	55.1540957
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	118.75124	0	79.8688122	81.0165	81.237	81.5734	0.2280313	0.8251	-0.4899	82.6051878	119	55.2014856
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	15.9960131	404	562.050662	580.2094	584.63576	588.2217	3.76418296	-0.52	-3.0405	607.220858	1000	36.7821512
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	16.0365759	404	561.75967	579.8677	584.23804	587.803	3.74639494	-0.5182	-3.067	606.71641	1000	36.9921811
NC OF CROSSCONDUCTION	n a			27.2836153	29.1391	29.6207	30.1756	0.38951411	0.3424	0.2286	31.9577847		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	22.0453428	3	3.3321774	3.3588	3.36532	3.3715	0.00552377	0.0424	-2.4385	3.3984626	3.59	13.5583807
CLOCK WIDTH	u s	10.0010082	0.305	0.69940994	0.78	0.798	0.82	0.01643168	0.5184	-1.6872	0.89659006	0.98	3.69205576
CLOCK AMP	v	51.917925	3.01	4.20907802	4.2462	4.25712	4.2662	0.008007	-0.26	-1.0344	4.30516198	4.99	30.5099821
MAX DUTY CYCLE A @ VCOMP3.6V	%	13.855794	45.1	47.520206	47.8246	47.92848	48.0055	0.06804566	-0.7937	0.9984	48.336754	49.9	9.65782862
MAX DUTY CYCLE B @ VCOMP3.6V	%	18.4726084	45.1	47.5986676	47.8258	47.90204	47.9507	0.05056207	-0.9892	-0.197	48.2054124	49.9	13.1716652
MIN DUTY CYCLE B @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite
SYNC INPUT CURRENT @ 3.5V	m a	10.9191266	0.01	0.99129676	1.1627	1.21134	1.2426	0.03667387	-0.7118	-2.4493	1.43138324	2.49	11.6218975
VREF; VIN20V	v	1.41226779	5.064	5.04807764	5.0892	5.10226	5.1112	0.00903039	-0.6288	-0.6101	5.15644236	5.136	1.24542382
VREF DRIFT	m v	25.253799	-24	-1.288793	0.3258	0.66454	1.0449	0.32555551	0.0749	-2.6698	2.61787304	24	23.892966
SHUTDOWN THRESHOLD TO OUTPUT A	v	10.7943296	0.62	0.81463602	0.846	0.8589	0.8646	0.00737733	-1.9804	4.1992	0.90316398	0.98	5.47171753
SHUTDOWN THRESHOLD TO OUTPUT B	v	23.7647698	0.62	0.84068124	0.8558	0.86096	0.8639	0.00337979	-1.052	-0.0149	0.88123876	0.98	11.7403644
SYNC THRESHOLD	v	41.4077995	1.21	2.03139317	2.0647	2.07308	2.0824	0.00694781	0.1979	-0.9349	2.11476683	2.79	34.3955133
OSCILLATOR SAWTOOTH VALLEY	v	28.5818627	0.62	0.92047266	0.9386	0.94308	0.9484	0.00376789	0.4829	-0.36	0.96568734	2	93.5023595
CT CURRENT MIRROR, RT2MA	m a	16.9624479	1.72	2.00960861	2.0428	2.04832	2.0556	0.0064519	0.5676	-3.2522	2.08703139	2.18	6.80316504

post10k bias

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				6	6	6	6	0	#DIV/0!	#DIV/0!	6		
ICC @35V	m a	15.6628495	0.5	8.215698	9.0564	9.34514	9.5196	0.18824033	-1.0841	0.1089	10.474582	19	17.0966902
VREF; VIN20V	v	1.20208361	5.064	5.04326358	5.0808	5.09524	5.1023	0.00866274	-1.5891	2.393	5.14721642	5.136	1.56840359
VREF LOAD REG IL0-20MA	m v	28.1505954	-13	1.62379108	2.4359	2.74222	2.9375	0.18640482	-1.3394	2.6562	3.86064892	13	18.3431952
VREF LINE REG. VIN8-35V	m v	3.33767131	-9.999	-7.6899792	-4.8832	-4.23768	-3.6948	0.5753832	-0.517	-3.1596	-0.7853808	9.999	8.2476513
VREF @ VIN 8V ILOAD 0MA	v	2.01217867	5.038	5.03833264	5.0778	5.09296	5.1003	0.00910456	-1.5888	2.3263	5.14758736	5.162	2.52767131
VREF @ VIN 35V ILOAD 0MA	v	2.29333367	5.038	5.0455721	5.0827	5.0972	5.1041	0.00860465	-1.673	2.7608	5.1488279	5.162	2.51027064
VREF @ VIN 35V ILOAD 20MA	v	2.22644744	5.038	5.04384617	5.081	5.09548	5.1022	0.00860564	-1.6704	2.6681	5.14711383	5.162	2.57660549
VREF @ VIN 8V ILOAD 20MA	v	1.94062882	5.038	5.03641157	5.0751	5.08992	5.0971	0.00891807	-1.5758	2.254	5.14342843	5.162	2.69415496
VREF ISC	m a	24.0427417	-98	-66.873019	-64.8462	-64.04878	-63.7092	0.47070644	-1.7177	2.9221	-61.224541	-12	36.8586276
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	68.5186106	0	0.31075655	0.3184	0.3201	0.3225	0.00155724	0.9335	0.9334	0.32944345	0.68	77.0379505
SOFT-START CURRENT,SHUTDOWN0V	u a	7.5523556	-79	-59.969124	-54.1331	-53.11406	-51.398	1.14251064	0.9073	-0.187	-46.258996	-26	7.9106659
ERROR AMP VIO (VCM5.1V)	m v	4.89827732	-4.8	-2.4352745	-1.2484	-0.80346	-0.5403	0.27196908	-1.3858	2.1328	0.82835451	4.8	6.86776588
ERROR AMP IIB (VCM5.1V)	u a	10.2331453	0	0.27287344	0.3272	0.33916	0.3526	0.01104776	0.144	-2.3981	0.40544656	9	261.315115
ERROR AMP IIO (VCM5.1V)	u a	74.4319754	-0.8	-0.0181875	0	0.0034	0.0085	0.00359792	0.8021	-1.4373	0.0249875	0.8	73.8019811
ERROR AMP AVOL (VCM5.1V)	db	41.6358447	61	75.1993306	75.7539	75.91582	76.0688	0.11941489	-0.0831	-0.2183	76.6323094	200	346.367122
ERROR AMP VOH	v	68.5080849	3.85	5.68773645	5.7272	5.743	5.7498	0.00921059	-1.8275	3.3606	5.79826355	10	154.061763
ERROR AMP VOL	v	9.62574025	0	0.0071617	0.0087	0.00904	0.0095	0.00031305	0.6063	0.0021	0.0109183	0.45	469.531684
ERROR AMP CMRR (VCM1.5-5.2V)	db	37.7758675	61.2	82.767821	83.6957	83.97354	84.2107	0.20095316	-0.4281	-0.7496	85.179259	200	192.460205
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	41.7596128	51.2	88.9508266	90.3763	90.84978	91.2133	0.31649224	-0.7248	0.5496	92.7487334	200	114.95829
OUTPUT (A) HIGH @20MA	v	28.4738736	18.02	18.5254548	18.5528	18.56364	18.5688	0.0063642	-1.7314	3.2519	18.6018252	20	75.2312801
OUTPUT (A) HIGH @100MA	v	67.3321789	17.02	18.4177315	18.4485	18.46052	18.4676	0.00713141	-1.5684	3.3184	18.5033085	20	71.9577255
OUTPUT (B) HIGH @20MA	v	27.4786544	18.02	18.5259634	18.5542	18.56568	18.5711	0.00661944	-1.8917	3.9382	18.6053966	20	72.2276491
OUTPUT (B) HIGH @100MA	v	67.3235292	17.02	18.4185217	18.4492	18.46134	18.4681	0.00713639	-1.6712	3.4986	18.5041583	20	71.8692476
OUTPUT (B) LOW @20MA	m v	20.5935729	0	101.628019	109.6269	112.55954	114.0842	1.82192021	-1.3256	1.3825	123.491061	380	48.9301449
OUTPUT (B) LOW @100MA	v	12.3310514	0	0.52728274	0.6027	0.62936	0.6463	0.01701288	-1.0874	0.9932	0.73143726	1.98	26.4630915
OUTPUT (A) LOW @20MA	m v	24.340666	0	103.765479	110.6349	113.05486	114.828	1.54823016	-0.9155	1.685	122.344241	380	57.4731815
OUTPUT (A) LOW @100MA	v	15.0815947	0	0.54711367	0.6079	0.63076	0.642	0.01394105	-1.4891	1.7973	0.71440633	1.98	32.2605917
UNDERVOLTAGE LOCKOUT	v	3.12696335	6.05	6.48735484	7.1915	7.26352	7.4933	0.12936086	2.1607	4.7093	8.03968516	7.95	1.76890187
SHUTDOWN INPUT CURRENT @ 2.5V	m a	13.0929581	0	0.18952896	0.2175	0.2237	0.2321	0.00569517	0.6255	0.0808	0.25787104	0.9	39.5832256
80515	k hz	Infinite	-0.1	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.1	Infinite
COLLECTOR LEAKAGE @ 35V	u a	7.66321293	0	59.9731996	75.5375	81.15312	83.9986	3.52998674	-1.2505	1.057	102.33304	195	10.750454
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	6.01856772	37.8	39.6167447	40.32	40.52092	40.6881	0.15069588	-0.4846	-1.6627	41.4250953	42.2	3.71405873
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	6.78378054	-0.9	-0.0992691	0.14	0.2355	0.2821	0.05579485	-1.7674	3.4664	0.57026908	0.9	3.96990063
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	101.70859	0	79.9315567	81.1815	81.53486	81.7592	0.26721722	-0.7184	-2.5042	83.1381633	119	46.7349371
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	102.326584	0	79.9402985	81.1821	81.5339	81.758	0.26560025	-0.7194	-2.4837	83.1275015	119	47.0206628
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	11.4685148	404	553.606684	578.2567	585.20756	591.976	5.26681274	-0.0547	-0.5668	616.808436	1000	26.251958
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	11.4531422	404	553.250857	577.8911	584.82784	591.5792	5.26283053	-0.0566	-0.6025	616.404823	1000	26.2958724
NC OF CROSSCONDUCTION	n a			25.1546505	29.0475	30.16242	30.9722	0.83462825	-0.607	-2.0982	35.1701895		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	35.5917137	3	3.34073326	3.3558	3.36102	3.3648	0.00338112	-0.9174	1.1192	3.38130674	3.59	22.5743466
CLOCK WIDTH	u s	7.43989807	0.305	0.66254659	0.76	0.794	0.82	0.0219089	-0.8463	1.7448	0.92545341	0.98	2.82989988
CLOCK AMP	v	50.0133378	3.01	4.19924201	4.2359	4.24878	4.2568	0.00825633	-1.0776	0.8021	4.29831799	4.99	29.9253187
MAX DUTY CYCLE A @ VCOMP3.6V	%	16.6158385	45.1	47.6048075	47.8786	47.94756	48.031	0.05712541	0.4854	0.4981	48.2903125	49.9	11.3927109
MAX DUTY CYCLE B @ VCOMP3.6V	%	12.3364422	45.1	47.4601367	47.7987	47.9168	47.9908	0.07611054	-0.9787	0.8291	48.3734633	49.9	8.68561209
MIN DUTY CYCLE B @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite
SYNC INPUT CURRENT @ 3.5V	m a	13.0101222	0.01	1.02997965	1.1628	1.21526	1.239	0.03088006	-1.7322	3.0608	1.40054035	2.49	13.7601208
VREF; VIN20V	v	1.2059338	5.064	5.04315297	5.081	5.09566	5.1026	0.00875117	-1.6347	2.5252	5.14816703	5.136	1.53655621
VREF DRIFT	m v	25.9761752	-24	-1.4457486	0.2056	0.43564	0.9686	0.31356477	1.7225	3.1265	2.3170286	24	25.0499657
SHUTDOWN THRESHOLD TO OUTPUT A	v	39.5842536	0.62	0.85024765	0.86	0.8625	0.8652	0.00204206	0.1756	-1.0174	0.87475235	0.98	19.1799992
SHUTDOWN THRESHOLD TO OUTPUT B	v	42.4043413	0.62	0.85167231	0.8615	0.86314	0.8657	0.00191128	0.6363	-2.1679	0.87460769	0.98	20.3807326
SYNC THRESHOLD	v	16.4277195	1.21	1.96296276	2.0381	2.06734	2.0822	0.01739621	-1.6122	2.8361	2.17171724	2.79	13.8470802
OSCILLATOR SAWTOOTH VALLEY	v	33.3321169	0.62	0.92440889	0.9389	0.94384	0.9479	0.00323852	-0.6519	1.86	0.96327111	2	108.708154
CT CURRENT MIRROR, RT2MA	m a	11.7294999	1.72	1.98588464	2.026	2.04054	2.0479	0.00910923	-1.2917	1.083	2.09519536	2.18	5.10325095

post20k unbias

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				6	6	6	6	0	#DIV/0!	#DIV/0!	6		
ICC @35V	m a	12.0036446	0.5	7.89546572	9.0015	9.37402	9.6043	0.24642571	-1.0208	-0.2224	10.8525743	19	13.0208003
VREF; VIN20V	v	0.90631039	5.064	5.0348932	5.0825	5.08812	5.1038	0.00887113	2.1073	4.522	5.1413468	5.136	1.79909377
VREF LOAD REG IL0-20MA	m v	21.4743906	-13	1.1546336	2.4034	2.6083	3.0138	0.24227773	1.5655	2.7286	4.0619664	13	14.297228
VREF LINE REG. VIN8-35V	m v	5.74899488	-9.999	-6.3116265	-4.8393	-4.3445	-3.9237	0.32785441	-0.5468	1.8805	-2.3773735	9.999	14.5832007
VREF @ VIN 8V ILOAD 0MA	v	1.79259062	5.038	5.03249713	5.0798	5.08556	5.1012	0.00884381	2.1104	4.5551	5.13862287	5.162	2.88111074
VREF @ VIN 35V ILOAD 0MA	v	1.94448337	5.038	5.03651764	5.0841	5.08992	5.1056	0.00890039	2.0736	4.3919	5.14332236	5.162	2.69950619
VREF @ VIN 35V ILOAD 20MA	v	1.87400252	5.038	5.03462618	5.0822	5.08818	5.1039	0.00892564	2.0691	4.3894	5.14173382	5.162	2.75685265
VREF @ VIN 8V ILOAD 20MA	v	1.66549441	5.038	5.02904635	5.0768	5.08258	5.0984	0.00892228	2.1369	4.6632	5.13611365	5.162	2.96710557
VREF ISC	m a	29.1889864	-98	-66.286053	-64.4771	-63.9532	-63.4056	0.38880875	0.1341	1.0658	-61.620347	-12	44.5404927
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	25.004117	0	0.29444102	0.3139	0.32004	0.3246	0.0042665	-0.5579	-0.4919	0.34563898	0.68	28.1229907
SOFT-START CURRENT,SHUTDOWN0V	u a	6.52248567	-79	-61.163139	-54.8116	-53.27506	-51.7378	1.31467978	0.1804	-2.3283	-45.386981	-26	6.91551421
ERROR AMP VIO (VCM5.1V)	m v	2.03224389	-4.8	-4.7380881	-1.463	-0.89786	-0.0065	0.64003801	0.7038	-1.6396	2.94236805	4.8	2.96745918
ERROR AMP IIB (VCM5.1V)	u a	17.2772136	0	0.30472699	0.3369	0.34462	0.3531	0.00664883	0.1603	-1.7566	0.38451301	9	433.929687
ERROR AMP IIO (VCM5.1V)	u a	58.8071914	-0.8	-0.0199047	0.0008	0.00756	0.0126	0.00457744	-0.6312	0.1425	0.03502467	0.8	57.7061404
ERROR AMP AVOL (VCM5.1V)	db	73.9140902	61	75.3243656	75.6255	75.72274	75.8051	0.06639573	-0.4851	0.7791	76.1211144	200	623.921947
ERROR AMP VOH	v	70.2704545	3.85	5.67841609	5.7247	5.73198	5.7475	0.00892732	1.9151	4.0284	5.78554391	10	159.361792
ERROR AMP VOL	v	20.238577	0	0.00865132	0.0094	0.0096	0.0098	0.00015811	-3E-14	-1.2	0.01054868	0.45	928.444721
ERROR AMP CMRR (VCM1.5-5.2V)	db	21.0299627	61.2	81.6710821	83.4792	83.82254	84.3879	0.35857632	1.1671	0.991	85.9739979	200	107.998821
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	39.1254137	51.2	88.2717509	90.0313	90.26886	90.8378	0.33285152	1.7842	3.2746	92.2659691	200	109.88998
OUTPUT (A) HIGH @20MA	v	100.504329	18.02	18.5623287	18.5705	18.57334	18.5754	0.00183521	-0.9267	1.2043	18.5843513	20	259.127311
OUTPUT (A) HIGH @100MA	v	258.096975	17.02	18.458367	18.4667	18.4696	18.4718	0.00187216	-0.8412	1.6228	18.480833	20	272.483175
OUTPUT (B) HIGH @20MA	v	86.4288099	18.02	18.5623524	18.5716	18.5752	18.5771	0.00214126	-1.5951	2.9321	18.5880476	20	221.800735
OUTPUT (B) HIGH @100MA	v	525.241401	17.02	18.464658	18.4693	18.47018	18.4715	0.00092033	0.5122	-0.6122	18.475702	20	554.086252
OUTPUT (B) LOW @20MA	m v	36.0241308	0	106.412614	111.354	112.66774	114.0976	1.04252101	0.2287	-0.251	118.922866	380	85.4762179
OUTPUT (B) LOW @100MA	v	17.5513368	0	0.55420566	0.614	0.62548	0.6442	0.01187906	1.1778	0.957	0.69675434	1.98	38.008628
OUTPUT (A) LOW @20MA	m v	30.5439041	0	105.7603	111.9834	113.17066	115.0293	1.23505997	0.9772	-0.2334	120.58102	380	72.0152182
OUTPUT (A) LOW @100MA	v	17.8306306	0	0.55731082	0.6167	0.62772	0.6466	0.01173486	1.3096	1.4836	0.69812918	1.98	38.412039
UNDERVOLTAGE LOCKOUT	v	19.1109505	6.05	7.08382247	7.1815	7.20466	7.23	0.02013959	0.0418	-1.8816	7.32549753	7.95	12.3362339
SHUTDOWN INPUT CURRENT @ 2.5V	m a	56.1281259	0	0.21191006	0.218	0.21974	0.2216	0.00130499	0.2115	1.1327	0.22756994	0.9	173.758619
80515	k hz	Infinite	-0.1	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.1	Infinite
COLLECTOR LEAKAGE @ 35V	u a	9.92366477	0	65.5072549	77.4424	82.04184	83.9923	2.75576419	-1.6288	2.3034	98.5764251	195	13.6632591
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	14.7376715	37.8	40.3467095	40.6447	40.74658	40.8122	0.06664508	-0.9095	0.458	41.1464505	42.2	7.26945359
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	16.9853248	-0.9	0.11543595	0.212	0.25096	0.2666	0.02258734	-1.8586	3.631	0.38648405	0.9	9.57822619
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	68.204973	0	79.1508163	81.018	81.5419	82.1238	0.39851395	0.3492	1.4253	83.9329837	119	31.3314835
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	68.490306	0	79.1597874	81.0203	81.54088	82.1216	0.39684876	0.3632	1.4421	83.9219726	119	31.463808
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	11.9903345	404	556.994397	580.0123	587.62288	592.5377	5.10474724	-0.9417	-0.4365	618.251363	1000	26.9276878
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	11.9056451	404	556.435982	579.5527	587.21358	592.1403	5.12959969	-0.9494	-0.4054	617.991178	1000	26.8238228
NC OF CROSSCONDUCTION	n a			24.4887434	27.8749	29.11376	29.9395	0.7708361	-1.1658	2.0623	33.7387766		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	16.3183639	3	3.31375453	3.349	3.35758	3.3689	0.00730425	0.8344	1.6482	3.40140547	3.59	10.6066171
CLOCK WIDTH	u s	9.07470921	0.305	0.68466874	0.78	0.792	0.82	0.01788854	1.2578	0.3125	0.89933126	0.98	3.50317316
CLOCK AMP	v	44.956668	3.01	4.1891218	4.238	4.24402	4.2601	0.0091497	2.0486	4.2978	4.2989182	4.99	27.176849
MAX DUTY CYCLE A @ VCOMP3.6V	%	15.0983593	45.1	47.5808906	47.8512	47.9597	48.0049	0.0631349	-1.8438	3.4228	48.3385094	49.9	10.2442027
MAX DUTY CYCLE B @ VCOMP3.6V	%	13.0475901	45.1	47.4919868	47.8114	47.92502	47.9869	0.0721722	-1.1971	0.7658	48.3580532	49.9	9.1216096
MIN DUTY CYCLE B @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite
SYNC INPUT CURRENT @ 3.5V	m a	13.4534049	0.01	1.04258877	1.1785	1.2229	1.2476	0.03005187	-0.9871	-0.905	1.40321123	2.49	14.0545877
VREF; VIN20V	v	0.91221654	5.064	5.03502318	5.0825	5.0883	5.104	0.00887947	2.1086	4.5464	5.14157682	5.136	1.79064727
VREF DRIFT	m v	39.9223628	-24	-1.0268676	-0.056	0.18472	0.4342	0.20193127	-0.1043	-1.8415	1.39630761	24	39.3125183
SHUTDOWN THRESHOLD TO OUTPUT A	v	6.72126844	0.62	0.78401907	0.8386	0.8535	0.8628	0.01158016	-0.6719	-2.7345	0.92298093	0.98	3.64128676
SHUTDOWN THRESHOLD TO OUTPUT B	v	31.2792637	0.62	0.84437355	0.8567	0.8597	0.8625	0.00255441	-0.0915	-2.5585	0.87502645	0.98	15.6983539
SYNC THRESHOLD	v	37.8300597	1.21	2.01373621	2.0477	2.0586	2.0683	0.0074773	-0.3731	1.2069	2.10346379	2.79	32.6053567
OSCILLATOR SAWTOOTH VALLEY	v	45.2546241	0.62	0.9274062	0.9376	0.94162	0.9434	0.00236897	-1.7209	3.0257	0.9558338	2	148.922918
CT CURRENT MIRROR, RT2MA	m a	45.5187675	1.72	2.03773767	2.0499	2.05234	2.0564	0.00243372	1.4805	2.9865	2.06694233	2.18	17.4848825

post20k bias

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				6	6	6	6	0	#DIV/0!	#DIV/0!	6		
ICC @35V	m a	14.1069384	0.5	8.11438521	9.0728	9.37224	9.5883	0.20964246	-0.7316	-1.0135	10.6300948	19	15.3082217
VREF; VIN20V	v	0.8770025	5.064	5.02476563	5.0818	5.09464	5.1105	0.01164573	0.5151	-1.4119	5.16451437	5.136	1.18383889
VREF LOAD REG IL0-20MA	m v	17.8961285	-13	0.91039823	2.2508	2.66056	3.052	0.29169363	-0.1572	0.9499	4.41072177	13	11.8154106
VREF LINE REG. VIN8-35V	m v	14.0130367	-9.999	-5.2300264	-4.6161	-4.43606	-4.3376	0.13232773	-0.7924	-2.2603	-3.6420936	9.999	36.3618924
VREF @ VIN 8V ILOAD 0MA	v	1.54684561	5.038	5.0221219	5.0793	5.0922	5.1084	0.01167968	0.5562	-1.1457	5.1622781	5.162	1.99206316
VREF @ VIN 35V ILOAD 0MA	v	1.66520233	5.038	5.02621012	5.0836	5.09664	5.1128	0.01173831	0.5249	-1.2179	5.16706988	5.162	1.85603042
VREF @ VIN 35V ILOAD 20MA	v	1.63371747	5.038	5.02528775	5.0817	5.0947	5.1104	0.01156871	0.4702	-1.3446	5.16411225	5.162	1.93913908
VREF @ VIN 8V ILOAD 20MA	v	1.47152673	5.038	5.01964114	5.0763	5.08912	5.1049	0.01157981	0.5115	-1.3827	5.15859886	5.162	2.09790431
VREF ISC	m a	27.7680709	-98	-66.422464	-64.4491	-63.97156	-63.3817	0.40848402	0.5621	-0.0636	-61.520656	-12	42.4101123
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	24.2336103	0	0.29292982	0.3122	0.31928	0.3239	0.0043917	-1.211	2.0449	0.34563018	0.68	27.3789398
SOFT-START CURRENT,SHUTDOWN0V	u a	7.32823752	-79	-59.98272	-54.614	-52.84442	-51.8789	1.18971672	-1.0164	-0.7874	-45.70612	-26	7.52123584
ERROR AMP VIO (VCM5.1V)	m v	8.01863647	-4.8	-1.9885336	-1.3195	-1.05428	-0.9153	0.15570893	-1.7074	3.3932	-0.1200264	4.8	12.5325286
ERROR AMP IIB (VCM5.1V)	u a	13.0334995	0	0.28161308	0.3263	0.33266	0.3471	0.00850782	1.7276	3.0123	0.38370692	9	339.583272
ERROR AMP IIO (VCM5.1V)	u a	117.495943	-0.8	-0.0078376	0.0025	0.00588	0.0085	0.00228626	-0.6015	0.3741	0.01959758	0.8	115.781355
ERROR AMP AVOL (VCM5.1V)	db	40.085973	61	74.8435755	75.4745	75.57054	75.7793	0.12116075	1.8356	3.6601	76.2975045	200	342.326089
ERROR AMP VOH	v	52.2667517	3.85	5.66554364	5.7261	5.73778	5.7554	0.01203939	0.8425	-0.7351	5.81001636	10	118.007604
ERROR AMP VOL	v	18.8254272	0	0.0082941	0.0091	0.00928	0.0095	0.00016432	0.5184	-1.6872	0.0102659	0.45	894.045502
ERROR AMP CMRR (VCM1.5-5.2V)	db	26.3390336	61.2	81.8646531	83.1673	83.56272	83.8718	0.28301114	-0.5255	-1.0157	85.2607869	200	137.140984
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	74.0725305	51.2	89.1681311	90.0545	90.22174	90.4853	0.17560149	0.9798	-0.3327	91.2753489	200	208.385211
OUTPUT (A) HIGH @20MA	v	120.188999	18.02	18.5660792	18.5741	18.57532	18.5777	0.00154013	1.1321	0.193	18.5845608	20	308.346292
OUTPUT (A) HIGH @100MA	v	149.023778	17.02	18.452158	18.4687	18.47164	18.476	0.003247	0.7086	-2.2483	18.491122	20	156.899769
OUTPUT (B) HIGH @20MA	v	96.8880591	18.02	18.565561	18.5754	18.57706	18.5803	0.00191651	1.6616	3.0402	18.588559	20	247.488412
OUTPUT (B) HIGH @100MA	v	159.621455	17.02	18.4548142	18.4704	18.47302	18.4771	0.0030343	0.6323	-2.1025	18.4912258	20	167.746328
OUTPUT (B) LOW @20MA	m v	17.0258053	0	98.0815053	108.6295	111.13658	113.2584	2.17584579	-0.4326	-3.0102	124.191655	380	41.1891047
OUTPUT (B) LOW @100MA	v	11.3757038	0	0.50600118	0.5925	0.61394	0.6334	0.0179898	-0.352	-2.623	0.72187882	1.98	25.311747
OUTPUT (A) LOW @20MA	m v	17.451829	0	98.7784758	109.0682	111.56382	113.7352	2.1308907	-0.3839	-2.861	124.349164	380	41.9912324
OUTPUT (A) LOW @100MA	v	11.9853925	0	0.51340816	0.5963	0.61624	0.635	0.01713864	-0.274	-2.6581	0.71907184	1.98	26.5240796
UNDERVOLTAGE LOCKOUT	v	19.3934827	6.05	7.0949283	7.1821	7.21508	7.2352	0.02002528	-1.3798	2.5615	7.3352317	7.95	12.2332014
SHUTDOWN INPUT CURRENT @ 2.5V	m a	15.6022816	0	0.1884861	0.2126	0.2162	0.2235	0.00461898	1.2464	0.7729	0.2439139	0.9	49.3470867
80515	k hz	Infinite	-0.1	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.1	Infinite
COLLECTOR LEAKAGE @ 35V	u a	12.3501034	0	68.5125686	78.703	81.75158	83.6899	2.20650191	-0.7623	-1.9078	94.9905914	195	17.1082895
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	9.30044765	37.8	40.0526213	40.5233	40.66974	40.7695	0.10285311	-0.7052	-1.1355	41.2868587	42.2	4.9593702
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	11.9766672	-0.9	0.05562751	0.2054	0.2472	0.2829	0.03192875	-0.4324	-1.8118	0.43877249	0.9	6.81517467
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	91.5708069	0	79.7657932	81.1139	81.54686	81.8638	0.29684446	-0.6796	-0.3522	83.3279268	119	42.056975
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	91.8977154	0	79.7718943	81.1137	81.54662	81.8618	0.29578762	-0.6977	-0.2975	83.3213457	119	42.2075134
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	11.9519811	404	554.030615	577.0184	584.18152	589.0068	5.02515076	-0.8049	-1.3042	614.332425	1000	27.5824879
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	11.9426325	404	553.689802	576.6675	583.8005	588.5869	5.01844968	-0.8023	-1.3697	613.911198	1000	27.6446265
NC OF CROSSCONDUCTION	n a			24.846486	29.474	30.50628	31.9093	0.943299	0.71	0.1995	36.166074		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	11.9415503	3	3.3008552	3.3491	3.36138	3.3752	0.01008747	0.2548	-0.5731	3.4219048	3.59	7.55458859
CLOCK WIDTH	u s	6.21997264	0.305	0.63269385	0.76	0.788	0.82	0.02588436	0.3633	-2.4126	0.94330615	0.98	2.47253571
CLOCK AMP	v	41.9861532	3.01	4.19321858	4.2411	4.2524	4.2659	0.00986357	0.4794	-1.1297	4.31158142	4.99	24.9267439
MAX DUTY CYCLE A @ VCOMP3.6V	%	15.667107	45.1	47.6091056	47.9138	47.97628	48.04	0.06119573	0.2086	-2.9946	48.3434544	49.9	10.4785094
MAX DUTY CYCLE B @ VCOMP3.6V	%	13.8369711	45.1	47.5372731	47.8545	47.94908	48.0199	0.06863448	-0.5793	-1.4827	48.3608869	49.9	9.47492654
MIN DUTY CYCLE B @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite

post20k bias

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite
SYNC INPUT CURRENT @ 3.5V	m a	16.9314531	0.01	1.07110926	1.1807	1.21324	1.235	0.02368846	-0.7157	-1.8967	1.35537074	2.49	17.9659935
VREF; VIN20V	v	0.87866814	5.064	5.02451523	5.0821	5.09494	5.111	0.01173746	0.5375	-1.3903	5.16536477	5.136	1.16606702
VREF DRIFT	m v	57.6049566	-24	-0.5371135	0.211	0.3068	0.5544	0.14065225	2.063	4.3769	1.15071349	24	56.1507791
SHUTDOWN THRESHOLD TO OUTPUT A	v	25.0224432	0.62	0.83838823	0.8521	0.85736	0.8603	0.00316196	-1.499	2.6512	0.87633177	0.98	12.928684
SHUTDOWN THRESHOLD TO OUTPUT B	v	25.6710131	0.62	0.83901508	0.8534	0.85752	0.862	0.00308415	0.2843	1.5508	0.87602492	0.98	13.2375618
SYNC THRESHOLD	v	26.9996744	1.21	1.99199925	2.0456	2.05456	2.0679	0.01042679	0.5949	-2.649	2.11712075	2.79	23.5112254
OSCILLATOR SAWTOOTH VALLEY	v	33.4351683	0.62	0.92067044	0.9353	0.9398	0.9432	0.00318826	-0.5179	-0.8708	0.95892956	2	110.844169
CT CURRENT MIRROR, RT2MA	m a	18.4410482	1.72	2.00779114	2.0378	2.0428	2.0516	0.00583481	1.0243	-0.3603	2.07780886	2.18	7.83801675

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				6	6	6	6	0	#DIV/0!	#DIV/0!	6		
ICC @35V	m a	15.0607837	0.5	8.07484301	9.0228	9.23478	9.5301	0.19332283	0.8321	0.827	10.394717	19	16.8375009
VREF; VIN20V	v	1.34223801	5.064	5.05119993	5.0803	5.09012	5.0974	0.00648668	-0.7681	0.7319	5.12904007	5.136	2.35765237
VREF LOAD REG IL0-20MA	m v	18.816693	-13	1.06220923	2.4359	2.73462	3.0901	0.27873513	0.0904	-1.957	4.40703077	13	12.2761467
VREF LINE REG. VIN8-35V	m v	4.37417893	-9.999	-6.8470617	-4.8774	-4.19188	-3.6567	0.44253029	-0.7945	1.8903	-1.5366983	9.999	10.6891968
VREF @ VIN 8V ILOAD 0MA	v	2.52164966	5.038	5.04832273	5.0778	5.0879	5.0951	0.00659621	-0.8417	0.873	5.12747727	5.162	3.74457395
VREF @ VIN 35V ILOAD 0MA	v	2.86112337	5.038	5.05427667	5.0826	5.09208	5.0993	0.00630056	-0.7049	0.7348	5.12988333	5.162	3.69914471
VREF @ VIN 35V ILOAD 20MA	v	2.68253226	5.038	5.05129173	5.0805	5.09024	5.0976	0.00649138	-0.7063	0.5992	5.12918827	5.162	3.68488735
VREF @ VIN 8V ILOAD 20MA	v	2.30684448	5.038	5.04420647	5.0744	5.08466	5.0918	0.00674225	-0.8361	0.5864	5.12511353	5.162	3.82364664
VREF ISC	m a	21.7504541	-98	-66.779988	-64.1317	-63.61854	-62.9096	0.52690793	0.4762	-1.7978	-60.457092	-12	32.6550032
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	27.2351932	0	0.29742756	0.3166	0.321	0.3271	0.00392874	0.9229	1.3193	0.34457244	0.68	30.4592971
SOFT-START CURRENT,SHUTDOWN0V	u a	10.5018172	-79	-57.704593	-53.8414	-52.69498	-51.5674	0.8349355	-0.0273	0.6559	-47.685367	-26	10.6575019
ERROR AMP VIO (VCM5.1V)	m v	5.00835575	-4.8	-2.3847647	-1.116	-0.77908	-0.4571	0.26761411	0.0783	-1.618	0.82660466	4.8	6.94916024
ERROR AMP IIB (VCM5.1V)	u a	17.1720235	0	0.30490672	0.3396	0.3451	0.3553	0.00669888	1.0964	-0.2442	0.38529328	9	430.663999
ERROR AMP IIO (VCM5.1V)	u a	78.6512077	-0.8	-0.0173803	0	0.00304	0.0073	0.00340338	0.5055	-2.7026	0.02346028	0.8	78.0557213
ERROR AMP AVOL (VCM5.1V)	db	88.70457	61	75.2418848	75.4999	75.5704	75.6514	0.05475253	0.4389	1.4471	75.8989152	200	757.527189
ERROR AMP VOH	v	94.9962924	3.85	5.69365003	5.7234	5.7333	5.7402	0.00660833	-0.7423	0.2309	5.77294997	10	215.21833
ERROR AMP VOL	v	11.8683495	0	0.00821507	0.0095	0.00988	0.0102	0.00027749	-0.2434	-0.8821	0.01154493	0.45	528.694128
ERROR AMP CMRR (VCM1.5-5.2V)	db	34.1249142	61.2	82.4102914	83.519	83.73078	84.0375	0.22008143	0.5362	-1.2877	85.0512686	200	176.100302
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	32.8218909	51.2	87.7090089	89.4358	90.07804	90.4252	0.39483852	-1.3282	1.9109	92.4470711	200	92.799086
OUTPUT (A) HIGH @20MA	v	71.6538625	18.02	18.5580507	18.5699	18.5735	18.577	0.00257488	-0.0829	1.0691	18.5889493	20	184.668898
OUTPUT (A) HIGH @100MA	v	168.571205	17.02	18.4511365	18.4649	18.46832	18.472	0.00286391	0.0513	-1.4828	18.4855035	20	178.273547
OUTPUT (B) HIGH @20MA	v	58.8674527	18.02	18.5560282	18.57	18.57488	18.5782	0.00314197	-0.9421	1.0916	18.5937318	20	151.19158
OUTPUT (B) HIGH @100MA	v	178.903856	17.02	18.4531178	18.4649	18.46932	18.4723	0.00270037	-1.2585	2.8317	18.4855222	20	188.946923
OUTPUT (B) LOW @20MA	m v	27.1643104	0	105.977017	112.7303	114.39982	115.7789	1.40380053	-0.1313	-2.6357	122.822623	380	63.0669325
OUTPUT (B) LOW @100MA	v	16.35965	0	0.56026655	0.6222	0.6383	0.6507	0.01300558	-0.3173	-2.5423	0.71633345	1.98	34.3878151
OUTPUT (A) LOW @20MA	m v	26.3385559	0	106.121811	113.3406	114.84228	116.5227	1.4534115	0.1369	-2.7571	123.562749	380	60.8127201
OUTPUT (A) LOW @100MA	v	15.3984128	0	0.55713558	0.6241	0.6403	0.6539	0.01386074	-0.2111	-2.7911	0.72346442	1.98	32.2181066
UNDERVOLTAGE LOCKOUT	v	24.7385072	6.05	7.11388443	7.1915	7.20746	7.228	0.01559593	0.2258	-1.7423	7.30103557	7.95	15.8703809
SHUTDOWN INPUT CURRENT @ 2.5V	m a	23.2668358	0	0.20008352	0.215	0.2189	0.2217	0.00313608	-0.5342	-2.7943	0.23771648	0.9	72.3939783
80515	k hz	Infinite	-0.1	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.1	Infinite
COLLECTOR LEAKAGE @ 35V	u a	12.1081004	0	67.4684562	77.8984	80.81784	83.3638	2.22489731	-0.3613	-1.6281	94.1672238	195	17.1067311
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	5.28983128	37.8	39.5951111	40.3811	40.68642	40.8346	0.18188482	-1.5995	2.7813	41.7777289	42.2	2.77388004
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	15.997698	-0.9	0.0924746	0.2012	0.23428	0.2524	0.02363423	-0.8527	-1.8871	0.3760854	0.9	9.38920508
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	71.38304	0	79.6812685	81.4712	81.97812	82.431	0.38280858	-0.2135	-1.2444	84.2749715	119	32.2370694
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	71.8153946	0	79.6921022	81.4709	81.97504	82.4238	0.38048964	-0.2222	-1.2591	84.2579778	119	32.4362405
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	13.1608047	404	557.263181	580.1042	584.72772	590.2153	4.57742324	0.4882	-2.849	612.192259	1000	30.2406149
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	13.09153	404	556.783398	579.6708	584.33296	589.7938	4.59159369	0.4768	-2.8662	611.882522	1000	30.1759453
NC OF CROSSCONDUCTION	n a			22.5888465	26.9635	28.35302	29.2957	0.96069559	-0.7086	-0.7633	34.1171935		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	42.8954368	3	3.34249043	3.356	3.35924	3.3632	0.00279159	0.4845	-0.4109	3.37598957	3.59	27.5541449
CLOCK WIDTH	u s	8.54328319	0.305	0.6825877	0.77	0.798	0.82	0.01923538	-0.5901	-0.0219	0.9134123	0.98	3.15390982
CLOCK AMP	v	63.8800153	3.01	4.20745744	4.2369	4.24616	4.2538	0.00645043	-0.5233	-0.0757	4.28486256	4.99	38.4388029
MAX DUTY CYCLE A @ VCOMP3.6V	%	19.2046621	45.1	47.6452777	47.8873	47.94116	48.0197	0.04931372	1.0838	1.9089	48.2370423	49.9	13.2406694
MAX DUTY CYCLE B @ VCOMP3.6V	%	17.7248751	45.1	47.6006321	47.8687	47.91868	48.0006	0.05300799	1.0883	0.3859	48.2367279	49.9	12.4592538
MIN DUTY CYCLE B @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite
SYNC INPUT CURRENT @ 3.5V	m a	15.5181801	0.01	1.05123101	1.169	1.20528	1.2413	0.02567483	-0.0257	1.8267	1.35932899	2.49	16.6793691
VREF; VIN20V	v	1.35276026	5.064	5.05135912	5.0806	5.09042	5.0977	0.00651015	-0.7435	0.6432	5.12948088	5.136	2.33379305
VREF DRIFT	m v	38.6430869	-24	-0.9650598	-0.0413	0.2922	0.5254	0.2095433	-1.074	1.9762	1.54945981	24	37.7134462
SHUTDOWN THRESHOLD TO OUTPUT A	v	14.343088	0.62	0.82477886	0.851	0.85796	0.8662	0.00553019	0.5213	1.3331	0.89114114	0.98	7.35598613
SHUTDOWN THRESHOLD TO OUTPUT B	v	16.5573011	0.62	0.8303064	0.8537	0.8592	0.8663	0.0048156	0.6683	0.1959	0.8880936	0.98	8.36171393
SYNC THRESHOLD	v	23.5153427	1.21	1.9782279	2.0379	2.04964	2.0657	0.01190202	0.645	-1.9891	2.1210521	2.79	20.7348615
OSCILLATOR SAWTOOTH VALLEY	v	40.783663	0.62	0.92706523	0.9395	0.9429	0.9467	0.00263913	0.3343	0.8645	0.95873477	2	133.51629
CT CURRENT MIRROR, RT2MA	m a	12.5913408	1.72	1.99085374	2.0274	2.042	2.0497	0.00852438	-1.7503	3.6289	2.09314626	2.18	5.3962889

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				6	6	6	6	0	#DIV/0!	#DIV/0!	6		
ICC @35V	m a	22.1918925	0.5	8.58760546	9.189	9.38868	9.5097	0.13351242	-0.9432	-0.4006	10.1897545	19	23.9960692
VREF; VIN20V	v	1.20640485	5.064	5.04438386	5.0843	5.09382	5.1035	0.00823936	0.1147	-2.3661	5.14325614	5.136	1.70644389
VREF LOAD REG IL0-20MA	m v	20.975311	-13	1.35570682	2.5941	2.8688	3.2045	0.2521822	0.4817	-1.7487	4.38189318	13	13.3913762
VREF LINE REG. VIN8-35V	m v	3.7318468	-9.999	-7.413319	-4.8774	-4.42728	-3.8093	0.49767316	0.4346	-2.667	-1.441241	9.999	9.66248606
VREF @ VIN 8V ILOAD 0MA	v	2.15729272	5.038	5.04188184	5.0814	5.09124	5.1006	0.00822636	-0.0203	-2.3176	5.14059816	5.162	2.86720572
VREF @ VIN 35V ILOAD 0MA	v	2.30062409	5.038	5.04553708	5.0863	5.09568	5.1055	0.00835715	0.1405	-2.4941	5.14582292	5.162	2.64523907
VREF @ VIN 35V ILOAD 20MA	v	2.27796656	5.038	5.04482846	5.0848	5.09396	5.1037	0.00818859	0.1555	-2.4476	5.14309154	5.162	2.76970773
VREF @ VIN 8V ILOAD 20MA	v	2.0817939	5.038	5.03997158	5.0787	5.08818	5.0976	0.00803474	0.0291	-2.2639	5.13638842	5.162	3.06253539
VREF ISC	m a	13.5337037	-98	-68.791581	-64.7654	-63.7267	-62.9435	0.84414685	-0.5787	-2.9057	-58.661819	-12	20.4256325
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	42.128764	0	0.30770416	0.3207	0.32304	0.3273	0.00255597	1.5284	2.6544	0.33837584	0.68	46.5523886
SOFT-START CURRENT,SHUTDOWN0V	u a	10.6528213	-79	-58.213663	-54.3118	-53.40914	-52.1869	0.80075376	0.847	0.8892	-48.604617	-26	11.4097248
ERROR AMP VIO (VCM5.1V)	m v	4.1983338	-4.8	-2.7072772	-1.244	-0.80336	-0.4102	0.31731954	-0.3359	-0.2488	1.10055722	4.8	5.88613827
ERROR AMP IIB (VCM5.1V)	u a	8.82045866	0	0.26887603	0.3299	0.34772	0.3658	0.01314066	0.0211	0.7537	0.42656397	9	219.47854
ERROR AMP IIO (VCM5.1V)	u a	98.7572395	-0.8	-0.0118709	0.0018	0.00442	0.0086	0.00271514	0.9573	0.5787	0.02071086	0.8	97.6719681
ERROR AMP AVOL (VCM5.1V)	db	33.3307044	61	74.6495773	75.3019	75.5209	75.7025	0.14522045	-0.5936	1.547	76.3922227	200	285.724445
ERROR AMP VOH	v	75.5708121	3.85	5.68653438	5.726	5.73646	5.7456	0.00832094	-0.1073	-2.0703	5.78638562	10	170.79566
ERROR AMP VOL	v	14.6468689	0	0.00865179	0.0098	0.01002	0.0104	0.00022804	1.4927	2.818	0.01138821	0.45	643.146646
ERROR AMP CMRR (VCM1.5-5.2V)	db	18.5844582	61.2	81.1547056	83.0784	83.56114	83.9413	0.4010724	-0.5289	-2.9551	85.9675744	200	96.7729342
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	95.3281798	51.2	89.4456452	90.0269	90.26524	90.3769	0.13659913	-1.9485	4.1781	91.0848348	200	267.778079
OUTPUT (A) HIGH @20MA	v	61.4901773	18.02	18.5570451	18.5723	18.5751	18.5795	0.00300915	0.9059	-0.9342	18.5931549	20	157.840666
OUTPUT (A) HIGH @100MA	v	140.106417	17.02	18.4499717	18.4673	18.47068	18.4752	0.00345138	0.6145	-2.3453	18.4913883	20	147.701454
OUTPUT (B) HIGH @20MA	v	69.5981503	18.02	18.560819	18.5746	18.57682	18.5808	0.00266683	0.9449	-0.4912	18.592821	20	177.886382
OUTPUT (B) HIGH @100MA	v	104.860335	17.02	18.4442275	18.4673	18.47192	18.4784	0.00461541	0.6879	-1.3557	18.4996125	20	110.360751
OUTPUT (B) LOW @20MA	m v	12.5495865	0	94.8650243	108.6546	112.84962	115.6263	2.99743262	-0.7833	-1.6772	130.834216	380	29.7088002
OUTPUT (B) LOW @100MA	v	8.45998294	0	0.47701649	0.592	0.6247	0.6483	0.02461392	-0.6536	-2.2536	0.77238351	1.98	18.3541138
OUTPUT (A) LOW @20MA	m v	13.6736092	0	96.7146466	109.4746	113.28444	115.6645	2.76163223	-0.7889	-1.9962	129.854233	380	32.1929856
OUTPUT (A) LOW @100MA	v	8.93143029	0	0.48720229	0.5959	0.62778	0.649	0.02342962	-0.734	-2.0951	0.76835771	1.98	19.2380431
UNDERVOLTAGE LOCKOUT	v	35.2406617	6.05	7.14056375	7.1979	7.20618	7.224	0.01093604	1.464	1.533	7.27179625	7.95	22.6718236
SHUTDOWN INPUT CURRENT @ 2.5V	m a	6.92489061	0	0.15468312	0.2018	0.2175	0.2264	0.01046948	-0.9948	-0.469	0.28031688	0.9	21.7298292
80515	k hz	Infinite	-0.1	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.1	Infinite
COLLECTOR LEAKAGE @ 35V	u a	15.8717677	0	71.9087758	80.0129	82.27642	84.029	1.7279407	-0.4715	-2.1113	92.6440642	195	21.745264
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	12.9786161	37.8	40.2297811	40.5983	40.67242	40.7836	0.07377315	0.8054	0.2296	41.1150589	42.2	6.90215023
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	11.2116436	-0.9	0.03059291	0.1768	0.23264	0.2656	0.03367452	-1.4566	2.6705	0.43468709	0.9	6.60598466
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	212.664392	0	80.9810245	81.5969	81.74984	81.9502	0.12813592	0.873	2.0187	82.5186555	119	96.9027294
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	213.720083	0	80.9843466	81.5967	81.74936	81.9485	0.12750223	0.8612	2.0161	82.5143734	119	97.3855928
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	20.0481036	404	570.652346	585.4506	589.11992	592.0855	3.07792902	-0.5012	-2.9563	607.587494	1000	44.497461
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	19.9611209	404	570.242795	585.076	588.7542	591.798	3.08523422	-0.4873	-2.9135	607.265605	1000	44.4316131
NC OF CROSSCONDUCTION	n a			23.4528984	27.862	28.87166	29.8031	0.90312694	0.0432	-2.813	34.2904216		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	16.2534469	3	3.31587709	3.3535	3.3602	3.3706	0.00738715	0.806	-1.6205	3.40452291	3.59	10.3693562
CLOCK WIDTH	u s	10.5720669	0.305	0.69500549	0.77	0.786	0.8	0.01516575	-0.3154	-3.0813	0.87699451	0.98	4.26399373
CLOCK AMP	v	51.1911839	3.01	4.20239978	4.2418	4.25088	4.2627	0.00808004	0.6909	-0.1124	4.29936022	4.99	30.4916091
MAX DUTY CYCLE A @ VCOMP3.6V	%	14.1555856	45.1	47.5710669	47.9032	47.97764	48.0685	0.06776218	0.5031	-1.6415	48.3842131	49.9	9.45640576
MAX DUTY CYCLE B @ VCOMP3.6V	%	23.0599329	45.1	47.6996764	47.8995	47.94656	48.0065	0.04114727	0.6461	-0.0741	48.1934436	49.9	15.8247834
MIN DUTY CYCLE B @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite

post30k bias

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite
SYNC INPUT CURRENT @ 3.5V	m a	31.3637413	0.01	1.14525632	1.2012	1.22258	1.2345	0.01288728	-1.4881	2.5249	1.29990368	2.49	32.7821942
VREF; VIN20V	v	1.22914025	5.064	5.04502233	5.0849	5.09426	5.1038	0.00820628	0.105	-2.4732	5.14349767	5.136	1.6954499
VREF DRIFT	m v	58.5224483	-24	-0.4085828	0.2583	0.42618	0.5635	0.13912713	-0.4826	-2.8505	1.26094275	24	56.4802872
SHUTDOWN THRESHOLD TO OUTPUT A	v	28.3198041	0.62	0.84277192	0.8572	0.8597	0.8642	0.00282135	1.1752	1.4125	0.87662808	0.98	14.2130682
SHUTDOWN THRESHOLD TO OUTPUT B	v	33.1884388	0.62	0.84578146	0.8572	0.86026	0.8637	0.00241309	0.3693	0.457	0.87473854	0.98	16.5403465
SYNC THRESHOLD	v	15.4917448	1.21	1.9405449	2.0187	2.04884	2.067	0.01804918	-1.4858	3.0359	2.1571351	2.79	13.687785
OSCILLATOR SAWTOOTH VALLEY	v	42.0573468	0.62	0.92550654	0.9383	0.94076	0.9442	0.00254224	0.414	-1.6168	0.95601346	2	138.885223
CT CURRENT MIRROR, RT2MA	m a	13.0663804	1.72	1.99066362	2.031	2.03958	2.0489	0.00815273	0.1052	-2.7653	2.08849638	2.18	5.74122643

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				6	6	6	6	0	#DIV/0!	#DIV/0!	6		
ICC @35V	m a	25.7123085	0.5	8.66814303	9.1873	9.35708	9.5029	0.11482283	-0.4706	1.2603	10.046017	19	27.9936203
VREF; VIN20V	v	1.58522186	5.064	5.05578409	5.09	5.0954	5.1068	0.00660265	1.8556	3.747	5.13501591	5.136	2.04968177
VREF LOAD REG IL0-20MA	m v	20.0830099	-13	1.01750873	2.1745	2.56786	2.7792	0.25839188	-1.0997	-0.2612	4.11821127	13	13.4577759
VREF LINE REG. VIN8-35V	m v	12.4169195	-9.999	-5.49113	-4.8774	-4.62564	-4.5341	0.14424834	-1.9806	4.028	-3.76015	9.999	33.7950514
VREF @ VIN 8V ILOAD 0MA	v	2.82111392	5.038	5.05391517	5.0873	5.09268	5.1038	0.0064608	1.8219	3.6549	5.13144483	5.162	3.57643777
VREF @ VIN 35V ILOAD 0MA	v	2.99477762	5.038	5.05769773	5.0919	5.0973	5.1087	0.00660038	1.8573	3.7659	5.13690227	5.162	3.26748924
VREF @ VIN 35V ILOAD 20MA	v	2.90274833	5.038	5.05584505	5.0902	5.09538	5.1068	0.00658916	1.8976	3.8508	5.13491495	5.162	3.37018288
VREF @ VIN 8V ILOAD 20MA	v	2.68697445	5.038	5.05121806	5.0843	5.0897	5.1007	0.00641366	1.7872	3.5393	5.12818194	5.162	3.75760644
VREF ISC	m a	16.4168298	-98	-67.982456	-64.6763	-63.81822	-63.0373	0.6940394	-0.1305	-2.1581	-59.653984	-12	24.8872615
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	21.4567271	0	0.29144203	0.3137	0.3214	0.3257	0.004993	-1.1362	0.1193	0.35135797	0.68	23.9402065
SOFT-START CURRENT,SHUTDOWN0V	u a	6.21288738	-79	-61.462042	-54.4309	-53.13618	-50.7754	1.38764359	1.679	3.4581	-44.810318	-26	6.51852782
ERROR AMP VIO (VCM5.1V)	m v	2.78698756	-4.8	-3.6594701	-1.2634	-0.761	-0.1016	0.48307834	0.5626	-1.6024	2.13747006	4.8	3.83719679
ERROR AMP IIB (VCM5.1V)	u a	7.22105237	0	0.25596781	0.3306	0.35402	0.3736	0.01634203	-0.4111	0.0697	0.45207219	9	176.354653
ERROR AMP IIO (VCM5.1V)	u a	75.8752345	-0.8	-0.0154012	0.0011	0.00584	0.0098	0.0035402	-0.4366	-1.5295	0.02708119	0.8	74.7754843
ERROR AMP AVOL (VCM5.1V)	db	18.9468913	61	73.9600679	75.0861	75.48956	75.7298	0.25491534	-1.2179	1.0026	77.0190521	200	162.812796
ERROR AMP VOH	v	97.3293374	3.85	5.69892964	5.733	5.73772	5.7482	0.00646506	1.4404	1.3388	5.77651036	10	219.759757
ERROR AMP VOL	v	10.5081587	0	0.0083882	0.01	0.01036	0.0109	0.00032863	1.2932	2.9167	0.0123318	0.45	445.927306
ERROR AMP CMRR (VCM1.5-5.2V)	db	23.1130075	61.2	81.7315048	83.18	83.67642	83.9833	0.32415254	-1.0461	0.1661	85.6213352	200	119.61815
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	27.513654	51.2	86.9767427	89.217	89.78126	90.3689	0.46741956	-0.0834	-1.6114	92.5857773	200	78.6008617
OUTPUT (A) HIGH @20MA	v	55.7672792	18.02	18.5552694	18.5701	18.57518	18.5784	0.00331843	-0.9197	0.4683	18.5950906	20	143.121753
OUTPUT (A) HIGH @100MA	v	93.2243756	17.02	18.4390684	18.4638	18.47018	18.4766	0.00518527	0.1699	-1.6348	18.5012916	20	98.3440085
OUTPUT (B) HIGH @20MA	v	60.3789308	18.02	18.5588979	18.5728	18.57736	18.5806	0.00307701	-0.6669	0.0628	18.5958221	20	154.114903
OUTPUT (B) HIGH @100MA	v	83.8744024	17.02	18.4380992	18.4663	18.47274	18.4801	0.00577347	0.4026	-2.0755	18.5073808	20	88.1768381
OUTPUT (B) LOW @20MA	m v	12.8610416	0	95.9165283	109.6362	113.57902	116.2838	2.94374861	-0.694	-2.2487	131.241512	380	30.167995
OUTPUT (B) LOW @100MA	v	8.9225107	0	0.48918758	0.6	0.63052	0.65	0.0235554	-0.6742	-2.6632	0.77185242	1.98	19.096539
OUTPUT (A) LOW @20MA	m v	14.4251112	0	98.3295479	110.6442	114.1571	116.4174	2.63792536	-0.7195	-2.4085	129.984652	380	33.5924213
OUTPUT (A) LOW @100MA	v	9.29459206	0	0.49765507	0.6049	0.6341	0.6524	0.02274082	-0.6811	-2.773	0.77054493	1.98	19.7281051
UNDERVOLTAGE LOCKOUT	v	46.925763	6.05	7.15954538	7.1968	7.20894	7.2189	0.00823244	-0.546	0.6958	7.25833462	7.95	30.0057
SHUTDOWN INPUT CURRENT @ 2.5V	m a	6.98947626	0	0.15630581	0.2046	0.21896	0.2285	0.01044237	-0.6031	-1.6735	0.28161419	0.9	21.7396461
80515	k hz	Infinite	-0.1	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.1	Infinite
COLLECTOR LEAKAGE @ 35V	u a	15.4839429	0	71.6803963	79.9535	82.31236	83.8183	1.77199396	-0.7252	-2.4269	92.9443237	195	21.1978977
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	30.29219	37.8	40.4525863	40.6076	40.6401	40.6742	0.03125228	0.4217	-2.9772	40.8276137	42.2	16.6377195
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	9.32916895	-0.9	-0.0129266	0.1653	0.22914	0.2722	0.04034443	-1.0596	1.6095	0.47120658	0.9	5.54277263
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	130.937522	0	80.8211714	81.8521	82.07482	82.3928	0.20894143	0.8866	0.5144	83.3284686	119	58.908342
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	132.204318	0	80.8317264	81.8528	82.07334	82.388	0.2069356	0.8797	0.4987	83.3149536	119	59.4817257
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	13.2586802	404	561.377881	582.6126	589.3346	594.4641	4.65945322	-0.5523	-0.3423	617.291319	1000	29.3786546
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	13.0633533	404	560.657385	582.1622	588.97744	594.2157	4.72000912	-0.5459	-0.2857	617.297495	1000	29.0269608
NC OF CROSSCONDUCTION	n a			23.3481193	27.5941	28.617	29.5741	0.87814679	0.1126	-2.552	33.8858807		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	25.6214727	3	3.33311553	3.3576	3.36132	3.3691	0.00470074	1.4757	2.3597	3.38952447	3.59	16.2158706
CLOCK WIDTH	u s	9.87929206	0.305	0.69340994	0.77	0.792	0.81	0.01643168	-0.5184	-1.6872	0.89059006	0.98	3.81377188
CLOCK AMP	v	51.0373664	3.01	4.20256113	4.2451	4.2512	4.2646	0.00810648	1.5462	2.0367	4.29983887	4.99	30.3789931
MAX DUTY CYCLE A @ VCOMP3.6V	%	17.8160841	45.1	47.6508553	47.9222	47.97342	48.0362	0.05376078	0.5294	-3.072	48.2959847	49.9	11.9453861
MAX DUTY CYCLE B @ VCOMP3.6V	%	16.4531874	45.1	47.589525	47.8603	47.93402	48.0053	0.05741583	0.0154	-1.208	48.278515	49.9	11.4136941
MIN DUTY CYCLE B @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite

Units: 5

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite
SYNC INPUT CURRENT @ 3.5V	m a	27.2033014	0.01	1.13411612	1.1998	1.22332	1.2387	0.01486731	-1.0814	1.468	1.31252388	2.49	28.3996619
VREF; VIN20V	v	1.58820213	5.064	5.05579621	5.0901	5.09564	5.1071	0.00664063	1.8451	3.761	5.13548379	5.136	2.02591144
VREF DRIFT	m v	57.6780689	-24	-0.6196409	0.097	0.2202	0.4403	0.13997348	1.0932	1.0153	1.06004088	24	56.6292988
SHUTDOWN THRESHOLD TO OUTPUT A	v	12.9057121	0.62	0.82284097	0.8505	0.86004	0.867	0.00619984	-0.8443	1.1456	0.89723903	0.98	6.44963015
SHUTDOWN THRESHOLD TO OUTPUT B	v	26.1158518	0.62	0.84354107	0.8595	0.86208	0.8674	0.00308982	1.8248	3.6718	0.88061893	0.98	12.7213369
SYNC THRESHOLD	v	22.6010981	1.21	1.97579494	2.029	2.05014	2.0608	0.01239084	-1.7322	3.3886	2.12448506	2.79	19.9034071
OSCILLATOR SAWTOOTH VALLEY	v	33.0411675	0.62	0.92271585	0.9369	0.94222	0.9454	0.00325069	-1.3788	2.1881	0.96172415	2	108.467153
CT CURRENT MIRROR, RT2MA	m a	20.1750285	1.72	2.00750287	2.0316	2.03914	2.044	0.00527286	-0.8402	-1.345	2.07077713	2.18	8.9047268

Units: 6

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				6	6	6	6	0	#DIV/0!	#DIV/0!	6		
ICC @35V	m a	31.6829086	0.5	8.87336253	9.3078	9.43755	9.5599	0.09403124	-0.0911	-1.2473	10.0017375	19	33.8981297
VREF; VIN20V	v	2.59821468	5.064	5.07206226	5.0936	5.09901667	5.1059	0.0044924	0.4987	-0.5444	5.12597107	5.136	2.74414012
VREF LOAD REG IL0-20MA	m v	22.2828432	-13	1.40028587	2.5122	2.82023333	3.0901	0.23665791	-0.2266	-1.8218	4.2401808	13	14.33823
VREF LINE REG. VIN8-35V	m v	5.74271497	-9.999	-6.4870625	-4.8774	-4.6103833	-4.1145	0.31277985	0.8258	-0.7323	-2.7337042	9.999	15.5693993
VREF @ VIN 8V ILOAD 0MA	v	4.2684928	5.038	5.06901014	5.091	5.09635	5.1033	0.00455664	0.514	-0.6896	5.12368986	5.162	4.80251161
VREF @ VIN 35V ILOAD 0MA	v	4.87741003	5.038	5.07512729	5.0958	5.10093333	5.1074	0.00430101	0.4523	-0.8336	5.12673938	5.162	4.73274109
VREF @ VIN 35V ILOAD 20MA	v	4.6575828	5.038	5.07292027	5.0937	5.0992	5.1056	0.00437995	0.3067	-0.9463	5.12547973	5.162	4.77934967
VREF @ VIN 8V ILOAD 20MA	v	3.89617262	5.038	5.06492939	5.0876	5.09333333	5.1005	0.00473399	0.4547	-0.6495	5.12173728	5.162	4.8350094
VREF ISC	m a	18.3149045	-98	-67.645152	-64.6234	-63.924033	-63.1493	0.62018645	0.0997	-2.5737	-60.202915	-12	27.9077544
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	40.8324513	0	0.30819367	0.3209	0.32406667	0.3282	0.0026455	0.7271	-0.2854	0.33993966	0.68	44.8476563
SOFT-START CURRENT,SHUTDOWN0V	u a	14.0974896	-79	-57.471573	-54.685	-53.912417	-53.2469	0.59319269	-0.3968	-1.8545	-50.353261	-26	15.6848508
ERROR AMP VIO (VCM5.1V)	m v	4.30717468	-4.8	-2.7154939	-1.2793	-0.9085167	-0.4355	0.30116288	0.504	-0.125	0.89846059	4.8	6.31830495
ERROR AMP IIB (VCM5.1V)	u a	9.02908861	0	0.26956642	0.3346	0.34626667	0.3621	0.01278337	0.5891	-2.0964	0.42296691	9	225.650727
ERROR AMP IIO (VCM5.1V)	u a	74.2072194	-0.8	-0.0160311	0.0007	0.00568333	0.0097	0.00361907	-0.3847	-1.5128	0.02739775	0.8	73.160296
ERROR AMP AVOL (VCM5.1V)	db	14.0976724	61	73.4994023	75.2792	75.5658167	76.1781	0.3444024	1.4099	1.3679	77.6322311	200	120.434878
ERROR AMP VOH	v	133.722159	3.85	5.71286523	5.7361	5.74115	5.7488	0.00471413	0.6744	0.1715	5.76943477	10	301.140902
ERROR AMP VOL	v	4.94642712	0	0.00611552	0.009	0.01026667	0.0109	0.00069186	-1.5187	2.2681	0.01441781	0.45	211.861255
ERROR AMP CMRR (VCM1.5-5.2V)	db	14.6721769	61.2	80.4545326	82.9653	83.4934	84.0396	0.5064779	0.0625	-2.7854	86.5322674	200	76.6776463
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	26.3677437	51.2	87.0540067	89.5039	89.99675	90.9015	0.49045721	1.517	2.6604	92.9394933	200	74.7623834
OUTPUT (A) HIGH @20MA	v	70.505176	18.02	18.5605358	18.5731	18.5763167	18.5806	0.00263015	0.7978	0.4241	18.5920975	20	180.431488
OUTPUT (A) HIGH @100MA	v	131.894617	17.02	18.4503928	18.4681	18.4724167	18.4777	0.00367065	0.3885	-1.288	18.4944406	20	138.720536
OUTPUT (B) HIGH @20MA	v	64.0545586	18.02	18.5609649	18.5752	18.5784	18.5829	0.00290586	0.8017	-0.6813	18.5958351	20	163.072995
OUTPUT (B) HIGH @100MA	v	130.160936	17.02	18.4514779	18.4701	18.4738167	18.478	0.00372313	0.2104	-2.758	18.4961554	20	136.63996
OUTPUT (B) LOW @20MA	m v	16.4002262	0	98.5430912	109.5027	112.229417	115.3522	2.28105424	0.2679	-1.7246	125.915742	380	39.1296531
OUTPUT (B) LOW @100MA	v	10.3998015	0	0.50080734	0.5959	0.62005	0.6471	0.01987378	0.186	-1.7622	0.73929266	1.98	22.8097897
OUTPUT (A) LOW @20MA	m v	15.6811269	0	98.3338125	109.8461	112.708917	116.1312	2.39585069	0.3496	-1.3884	127.084021	380	37.1880552
OUTPUT (A) LOW @100MA	v	10.5578049	0	0.50438863	0.5979	0.62226667	0.65	0.01964634	0.2601	-1.3528	0.74014471	1.98	23.036239
UNDERVOLTAGE LOCKOUT	v	30.1862835	6.05	7.13040492	7.1897	7.20706667	7.2262	0.01277696	0.3534	-0.058	7.28372842	7.95	19.3821124
SHUTDOWN INPUT CURRENT @ 2.5V	m a	7.89644135	0	0.16127937	0.2033	0.21598333	0.2258	0.00911733	-0.2812	-1.7364	0.2706873	0.9	25.0079365
80515	k hz	Infinite	-0.1	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.1	Infinite
COLLECTOR LEAKAGE @ 35V	u a	20.3248975	0	74.6964757	81.4614	82.8489333	85.0383	1.35874295	0.8502	-0.2488	91.001391	195	27.5134373
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	10.9016652	37.8	40.1124872	40.5135	40.63205	40.7503	0.0865938	-0.0521	-0.9154	41.1516128	42.2	6.03565119
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	8.84033737	-0.9	-0.0245373	0.1699	0.23143333	0.276	0.04266177	-0.5461	-1.5371	0.48740396	0.9	5.22377653
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	77.5683271	0	79.6910216	81.1369	81.8001333	82.1663	0.35151862	-1.6269	3.5031	83.909245	119	35.2753878
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	77.7207159	0	79.6948485	81.138	81.7998167	82.1661	0.35082803	-1.6241	3.5036	83.9047848	119	35.3451267
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	14.2144561	404	563.397046	585.1964	589.496783	596.5141	4.34995619	0.7589	-0.0628	615.59652	1000	31.456502
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	14.0971135	404	562.902649	584.8221	589.173817	596.2918	4.37852797	0.8048	0.0238	615.444984	1000	31.275822
NC OF CROSSCONDUCTION	n a			25.1964197	28.0879	28.9947167	29.5165	0.63304949	-0.9151	-1.6066	32.7930136		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	32.3658592	3	3.34239846	3.3616	3.36495	3.3695	0.00375859	0.3995	-2.4514	3.38750154	3.59	19.9587248
CLOCK WIDTH	u s	8.18681419	0.305	0.66521925	0.75	0.78166667	0.8	0.0194079	-0.839	-0.0587	0.89811408	0.98	3.40640171
CLOCK AMP	v	75.9707757	3.01	4.22267862	4.2488	4.25546667	4.2625	0.00546467	-0.0266	-1.7352	4.28825471	4.99	44.8049463
MAX DUTY CYCLE A @ VCOMP3.6V	%	18.2499215	45.1	47.6719655	47.9279	47.9885167	48.0758	0.05275852	0.8191	0.4192	48.3050678	49.9	12.0769325
MAX DUTY CYCLE B @ VCOMP3.6V	%	20.6102159	45.1	47.6818658	47.9175	47.9593333	48.0351	0.0462446	1.0147	-0.1539	48.2368009	49.9	13.9884212
MIN DUTY CYCLE B @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite

Units: 6

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	Infinite	0	0	0	0	0	0	#DIV/0!	#DIV/0!	0	0.0001	Infinite
SYNC INPUT CURRENT @ 3.5V	m a	36.7034272	0.01	1.16627893	1.2213	1.23291667	1.2507	0.01110629	0.6701	-0.2503	1.2995544	2.49	37.7288722
VREF; VIN20V	v	2.65166595	5.064	5.07267932	5.0938	5.09931667	5.106	0.00443956	0.3818	-0.6366	5.12595401	5.136	2.75427879
VREF DRIFT	m v	33.7731907	-24	-1.14279	0.097	0.29598333	0.7455	0.23979556	1.6848	2.9125	1.73475668	24	32.9503138
SHUTDOWN THRESHOLD TO OUTPUT A	v	11.6079756	0.62	0.81769726	0.845	0.85885	0.8633	0.00685879	-2.33	5.5681	0.90000274	0.98	5.88782182
SHUTDOWN THRESHOLD TO OUTPUT B	v	32.3195424	0.62	0.84497632	0.8564	0.85981667	0.8628	0.00247339	-0.1873	-1.3964	0.87465702	0.98	16.1968323
SYNC THRESHOLD	v	36.6114555	1.21	2.0041915	2.0376	2.05008333	2.0576	0.00764864	-0.8414	-0.188	2.09597516	2.79	32.2461178
OSCILLATOR SAWTOOTH VALLEY	v	37.5395823	0.62	0.92536547	0.9396	0.94255	0.9458	0.00286409	0.106	-2.8584	0.95973453	2	123.070009
CT CURRENT MIRROR, RT2MA	m a	14.6184645	1.72	1.99706855	2.032	2.04098333	2.0494	0.00731913	0.0756	-2.1608	2.08489811	2.18	6.33120162

Units: 1

Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
25'C QA				#DIV/0!	6	6	6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
ICC @35V	m a	#DIV/0!	0.5	#DIV/0!	9.5599	9.5599	9.5599	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	19	#DIV/0!
VREF; VIN20V	v	#DIV/0!	5.064	#DIV/0!	5.1059	5.1059	5.1059	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.136	#DIV/0!
VREF LOAD REG IL0-20MA	m v	#DIV/0!	-13	#DIV/0!	3.0463	3.0463	3.0463	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	13	#DIV/0!
VREF LINE REG. VIN8-35V	m v	#DIV/0!	-9.999	#DIV/0!	-4.1145	-4.1145	-4.1145	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	9.999	#DIV/0!
VREF @ VIN 8V ILOAD 0MA	v	#DIV/0!	5.038	#DIV/0!	5.1033	5.1033	5.1033	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.162	#DIV/0!
VREF @ VIN 35V ILOAD 0MA	v	#DIV/0!	5.038	#DIV/0!	5.1074	5.1074	5.1074	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.162	#DIV/0!
VREF @ VIN 35V ILOAD 20MA	v	#DIV/0!	5.038	#DIV/0!	5.1056	5.1056	5.1056	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.162	#DIV/0!
VREF @ VIN 8V ILOAD 20MA	v	#DIV/0!	5.038	#DIV/0!	5.1005	5.1005	5.1005	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.162	#DIV/0!
VREF ISC	m a	#DIV/0!	-98	#DIV/0!	-63.4495	-63.4495	-63.4495	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-12	#DIV/0!
SOFT-START VOLTAGE,SHUTDOWN2.5V	v	#DIV/0!	0	#DIV/0!	0.3233	0.3233	0.3233	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.68	#DIV/0!
SOFT-START CURRENT,SHUTDOWN0V	u a	#DIV/0!	-79	#DIV/0!	-54.685	-54.685	-54.685	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-26	#DIV/0!
ERROR AMP VIO (VCM5.1V)	m v	#DIV/0!	-4.8	#DIV/0!	-1.2793	-1.2793	-1.2793	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	4.8	#DIV/0!
ERROR AMP IIB (VCM5.1V)	u a	#DIV/0!	0	#DIV/0!	0.335	0.335	0.335	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	9	#DIV/0!
ERROR AMP IIO (VCM5.1V)	u a	#DIV/0!	-0.8	#DIV/0!	0.0097	0.0097	0.0097	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.8	#DIV/0!
ERROR AMP AVOL (VCM5.1V)	db	#DIV/0!	61	#DIV/0!	76.1781	76.1781	76.1781	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	200	#DIV/0!
ERROR AMP VOH	v	#DIV/0!	3.85	#DIV/0!	5.7488	5.7488	5.7488	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	10	#DIV/0!
ERROR AMP VOL	v	#DIV/0!	0	#DIV/0!	0.009	0.009	0.009	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.45	#DIV/0!
ERROR AMP CMRR (VCM1.5-5.2V)	db	#DIV/0!	61.2	#DIV/0!	84.0396	84.0396	84.0396	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	200	#DIV/0!
ERROR AMP PSRR (VIN8-35V,VCM5.1V)	db	#DIV/0!	51.2	#DIV/0!	90.9015	90.9015	90.9015	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	200	#DIV/0!
OUTPUT (A) HIGH @20MA	v	#DIV/0!	18.02	#DIV/0!	18.5754	18.5754	18.5754	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	20	#DIV/0!
OUTPUT (A) HIGH @100MA	v	#DIV/0!	17.02	#DIV/0!	18.4707	18.4707	18.4707	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	20	#DIV/0!
OUTPUT (B) HIGH @20MA	v	#DIV/0!	18.02	#DIV/0!	18.5768	18.5768	18.5768	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	20	#DIV/0!
OUTPUT (B) HIGH @100MA	v	#DIV/0!	17.02	#DIV/0!	18.4707	18.4707	18.4707	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	20	#DIV/0!
OUTPUT (B) LOW @20MA	m v	#DIV/0!	0	#DIV/0!	112.9491	112.9491	112.9491	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	380	#DIV/0!
OUTPUT (B) LOW @100MA	v	#DIV/0!	0	#DIV/0!	0.6287	0.6287	0.6287	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.98	#DIV/0!
OUTPUT (A) LOW @20MA	m v	#DIV/0!	0	#DIV/0!	113.3686	113.3686	113.3686	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	380	#DIV/0!
OUTPUT (A) LOW @100MA	v	#DIV/0!	0	#DIV/0!	0.6287	0.6287	0.6287	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.98	#DIV/0!
UNDERVOLTAGE LOCKOUT	v	#DIV/0!	6.05	#DIV/0!	7.2262	7.2262	7.2262	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	7.95	#DIV/0!
SHUTDOWN INPUT CURRENT @ 2.5V	m a	#DIV/0!	0	#DIV/0!	0.2249	0.2249	0.2249	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.9	#DIV/0!
80515	k hz	#DIV/0!	-0.1	#DIV/0!	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.1	#DIV/0!
COLLECTOR LEAKAGE @ 35V	u a	#DIV/0!	0	#DIV/0!	85.0383	85.0383	85.0383	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	195	#DIV/0!
OSCILLATOR FREQ. ACCURACY 3.6K .01UF	k hz	#DIV/0!	37.8	#DIV/0!	40.6127	40.6127	40.6127	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	42.2	#DIV/0!
OSCILLATOR VOLTAGE STABILITY, VIN8-35V	%	#DIV/0!	-0.9	#DIV/0!	0.276	0.276	0.276	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.9	#DIV/0!
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	#DIV/0!	0	#DIV/0!	81.8698	81.8698	81.8698	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	119	#DIV/0!
OSCILLATOR MIN FREQUENCY 200K 0.1UF	hz	#DIV/0!	0	#DIV/0!	81.8687	81.8687	81.8687	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	119	#DIV/0!
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	#DIV/0!	404	#DIV/0!	585.1964	585.1964	585.1964	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1000	#DIV/0!
OSCILLATOR MAX FREQUENCY 2K 470PF	k hz	#DIV/0!	404	#DIV/0!	584.9824	584.9824	584.9824	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1000	#DIV/0!
NC OF CROSSCONDUCTION	n a			#DIV/0!	29.3122	29.3122	29.3122	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
OSCILLATOR SAWTOOTH PEAK @ VIN35V	v	#DIV/0!	3	#DIV/0!	3.3695	3.3695	3.3695	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	3.59	#DIV/0!
CLOCK WIDTH	u s	#DIV/0!	0.305	#DIV/0!	0.79	0.79	0.79	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.98	#DIV/0!
CLOCK AMP	v	#DIV/0!	3.01	#DIV/0!	4.26	4.26	4.26	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	4.99	#DIV/0!
MAX DUTY CYCLE A @ VCOMP3.6V	%	#DIV/0!	45.1	#DIV/0!	47.9606	47.9606	47.9606	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	49.9	#DIV/0!
MAX DUTY CYCLE B @ VCOMP3.6V	%	#DIV/0!	45.1	#DIV/0!	47.9209	47.9209	47.9209	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	49.9	#DIV/0!
MIN DUTY CYCLE B @ VCOMP0.7V	%	#DIV/0!	0	#DIV/0!	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.0001	#DIV/0!

Units: 1

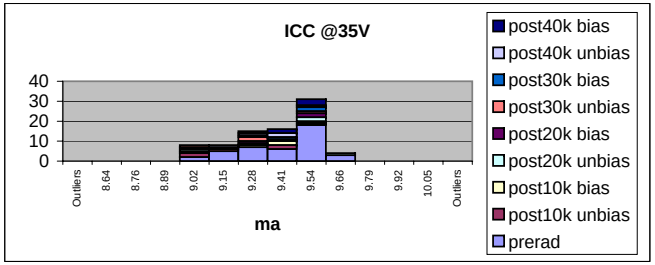
Parameter		Cpk (LL)	Lower Limit	-6 Sigma	Min	Ave	Max	Sigma	Skew	Kurt	+6 Sigma	Upper Limit	Cpk (UL)
MIN DUTY CYCLE A @ VCOMP0.7V	%	#DIV/0!	0	#DIV/0!	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.0001	#DIV/0!
SYNC INPUT CURRENT @ 3.5V	m a	#DIV/0!	0.01	#DIV/0!	1.2368	1.2368	1.2368	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2.49	#DIV/0!
VREF; VIN20V	v	#DIV/0!	5.064	#DIV/0!	5.106	5.106	5.106	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	5.136	#DIV/0!
VREF DRIFT	m v	#DIV/0!	-24	#DIV/0!	0.097	0.097	0.097	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	24	#DIV/0!
SHUTDOWN THRESHOLD TO OUTPUT A	v	#DIV/0!	0.62	#DIV/0!	0.845	0.845	0.845	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.98	#DIV/0!
SHUTDOWN THRESHOLD TO OUTPUT B	v	#DIV/0!	0.62	#DIV/0!	0.8564	0.8564	0.8564	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.98	#DIV/0!
SYNC THRESHOLD	v	#DIV/0!	1.21	#DIV/0!	2.0561	2.0561	2.0561	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2.79	#DIV/0!
OSCILLATOR SAWTOOTH VALLEY	v	#DIV/0!	0.62	#DIV/0!	0.9458	0.9458	0.9458	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2	#DIV/0!
CT CURRENT MIRROR, RT2MA	m a	#DIV/0!	1.72	#DIV/0!	2.0488	2.0488	2.0488	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2.18	#DIV/0!

Control (unexposed) unit #54 electrical data included with 40krad biased samples

ICC @35V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
8.64	0	0	0	0	0	0	0	0	0
8.76	0	0	0	0	0	0	0	0	0
8.89	0	0	0	0	0	0	0	0	0
9.02	2	2	1	1	1	1	0	0	0
9.15	5	0	0	0	0	1	1	1	0
9.28	7	0	1	1	1	2	1	1	1
9.41	6	2	2	0	1	0	1	2	2
9.54	18	1	1	2	2	1	2	1	3
9.66	3	0	0	1	0	0	0	0	0
9.79	0	0	0	0	0	0	0	0	0
9.92	0	0	0	0	0	0	0	0	0
10.05	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

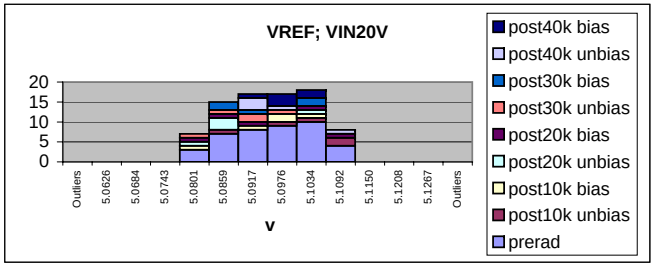
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	16.493	0.5	9.036	9.415	9.648	0.180	19	17.732
post10k unbi	12.315	0.5	8.987	9.285	9.513	0.238	19	13.619
post10k bias	15.663	0.5	9.056	9.345	9.520	0.188	19	17.097
post20k unbi	12.004	0.5	9.002	9.374	9.604	0.246	19	13.021
post20k bias	14.107	0.5	9.073	9.372	9.588	0.210	19	15.308
post30k unbi	15.061	0.5	9.023	9.235	9.530	0.193	19	16.838
post30k bias	22.192	0.5	9.189	9.389	9.510	0.134	19	23.996
post40k unbi	25.712	0.5	9.187	9.357	9.503	0.115	19	27.994
post40k bias	31.683	0.5	9.308	9.438	9.560	0.094	19	33.898



VREF; VIN20V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
5.0626	0	0	0	0	0	0	0	0	0
5.0684	0	0	0	0	0	0	0	0	0
5.0743	0	0	0	0	0	0	0	0	0
5.0801	3	0	1	1	1	1	0	0	0
5.0859	7	1	0	3	1	1	2	0	0
5.0917	8	0	1	0	1	2	1	3	1
5.0976	9	1	2	0	0	1	0	1	3
5.1034	10	1	1	1	1	0	2	0	2
5.1092	4	2	0	0	1	0	0	1	0
5.1150	0	0	0	0	0	0	0	0	0
5.1208	0	0	0	0	0	0	0	0	0
5.1267	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

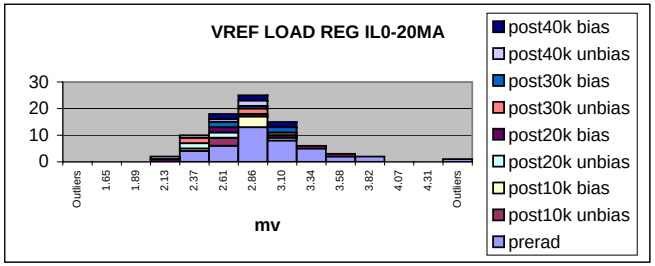
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	1.254	5.064	5.081	5.096	5.111	8.47E-03	5.136	1.580
post10k unbi	1.388	5.064	5.089	5.102	5.110	9.03E-03	5.136	1.270
post10k bias	1.202	5.064	5.081	5.095	5.102	8.66E-03	5.136	1.568
post20k unbi	0.906	5.064	5.082	5.088	5.104	8.87E-03	5.136	1.799
post20k bias	0.877	5.064	5.082	5.095	5.110	0.012	5.136	1.184
post30k unbi	1.342	5.064	5.080	5.090	5.097	6.49E-03	5.136	2.358
post30k bias	1.206	5.064	5.084	5.094	5.103	8.24E-03	5.136	1.706
post40k unbi	1.585	5.064	5.090	5.095	5.107	6.60E-03	5.136	2.050
post40k bias	2.598	5.064	5.094	5.099	5.106	4.49E-03	5.136	2.744



VREF LOAD REG IL0-20MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
1.65	0	0	0	0	0	0	0	0	0
1.89	0	0	0	0	0	0	0	0	0
2.13	0	0	0	0	1	0	0	1	0
2.37	4	0	1	2	0	2	0	1	0
2.61	6	3	0	2	2	0	2	1	2
2.86	13	0	4	0	1	2	1	2	2
3.10	8	0	0	1	1	1	2	0	2
3.34	5	1	0	0	0	0	0	0	0
3.58	2	1	0	0	0	0	0	0	0
3.82	2	0	0	0	0	0	0	0	0
4.07	0	0	0	0	0	0	0	0	0
4.31	0	0	0	0	0	0	0	0	0
Outliers	1	0	0	0	0	0	0	0	0

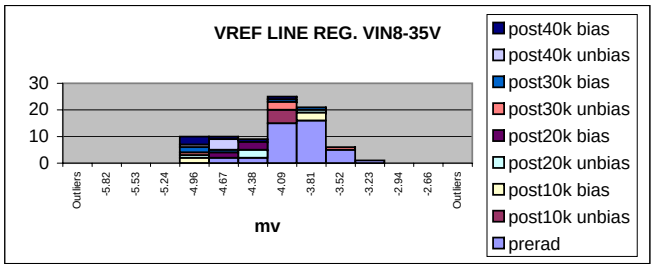
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	11.010	-13	2.409	2.977	4.998	0.484	13	6.907
post10k unbi	13.045	-13	2.594	2.957	3.504	0.408	13	8.210
post10k bias	28.151	-13	2.436	2.742	2.938	0.186	13	18.343
post20k unbi	21.474	-13	2.403	2.608	3.014	0.242	13	14.297
post20k bias	17.896	-13	2.251	2.661	3.052	0.292	13	11.815
post30k unbi	18.817	-13	2.436	2.735	3.090	0.279	13	12.276
post30k bias	20.975	-13	2.594	2.869	3.204	0.252	13	13.391
post40k unbi	20.083	-13	2.174	2.568	2.779	0.258	13	13.458
post40k bias	22.283	-13	2.512	2.820	3.090	0.237	13	14.338



VREF LINE REG. VIN8-35V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
-5.82	0	0	0	0	0	0	0	0	0
-5.53	0	0	0	0	0	0	0	0	0
-5.24	0	0	0	0	0	0	0	0	0
-4.96	0	0	2	1	0	1	2	1	3
-4.67	2	0	0	0	2	0	1	4	1
-4.38	2	0	0	3	3	0	0	0	1
-4.09	15	5	0	0	0	3	1	0	1
-3.81	16	0	3	1	0	0	1	0	0
-3.52	5	0	0	0	0	1	0	0	0
-3.23	1	0	0	0	0	0	0	0	0
-2.94	0	0	0	0	0	0	0	0	0
-2.66	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

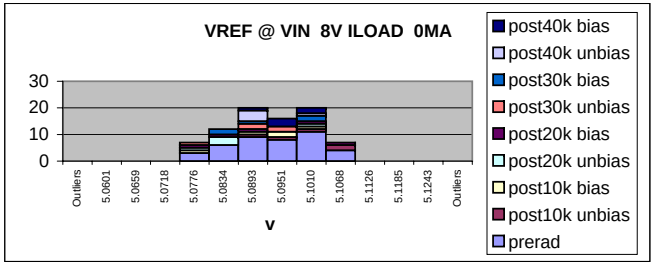
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	6.841	-9.999	-4.730	-3.913	-3.315	0.297	9.999	15.637
post10k unbi	16.571	-9.999	-4.235	-4.039	-3.962	0.120	9.999	39.035
post10k bias	3.338	-9.999	-4.883	-4.238	-3.695	0.575	9.999	8.248
post20k unbi	5.749	-9.999	-4.839	-4.345	-3.924	0.328	9.999	14.583
post20k bias	14.013	-9.999	-4.616	-4.436	-4.338	0.132	9.999	36.362
post30k unbi	4.374	-9.999	-4.877	-4.192	-3.657	0.443	9.999	10.689
post30k bias	3.732	-9.999	-4.877	-4.427	-3.809	0.498	9.999	9.662
post40k unbi	12.417	-9.999	-4.877	-4.626	-4.534	0.144	9.999	33.795
post40k bias	5.743	-9.999	-4.877	-4.610	-4.115	0.313	9.999	15.569



VREF @ VIN 8V ILOAD 0MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
5.0601	0	0	0	0	0	0	0	0	0
5.0659	0	0	0	0	0	0	0	0	0
5.0718	0	0	0	0	0	0	0	0	0
5.0776	3	0	1	1	1	1	0	0	0
5.0834	6	0	0	3	1	0	2	0	0
5.0893	9	1	1	0	1	2	1	4	1
5.0951	8	1	2	0	0	2	0	0	3
5.1010	11	1	1	1	1	0	2	1	2
5.1068	4	2	0	0	1	0	0	0	0
5.1126	0	0	0	0	0	0	0	0	0
5.1185	0	0	0	0	0	0	0	0	0
5.1243	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

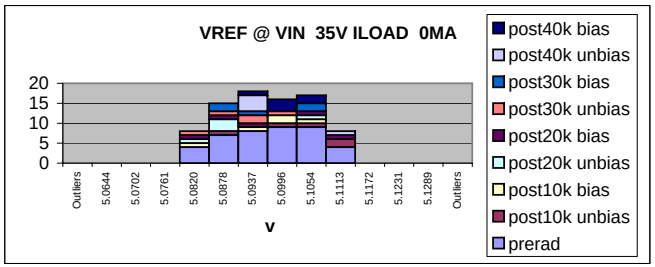
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	2.174	5.038	5.078	5.094	5.109	8.52E-03	5.162	2.678
post10k unbi	2.242	5.038	5.087	5.100	5.109	9.16E-03	5.162	2.272
post10k bias	2.012	5.038	5.078	5.093	5.100	9.10E-03	5.162	2.528
post20k unbi	1.793	5.038	5.080	5.086	5.101	8.84E-03	5.162	2.881
post20k bias	1.547	5.038	5.079	5.092	5.108	0.012	5.162	1.992
post30k unbi	2.522	5.038	5.078	5.088	5.095	6.60E-03	5.162	3.745
post30k bias	2.157	5.038	5.081	5.091	5.101	8.23E-03	5.162	2.867
post40k unbi	2.821	5.038	5.087	5.093	5.104	6.46E-03	5.162	3.576
post40k bias	4.268	5.038	5.091	5.096	5.103	4.56E-03	5.162	4.803



VREF @ VIN 35V ILOAD 0MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
5.0644	0	0	0	0	0	0	0	0	0
5.0702	0	0	0	0	0	0	0	0	0
5.0761	0	0	0	0	0	0	0	0	0
5.0820	4	0	1	1	1	1	0	0	0
5.0878	7	1	0	3	1	1	2	0	0
5.0937	8	0	1	0	1	2	1	4	1
5.0996	9	1	2	0	0	1	0	0	3
5.1054	9	1	1	1	1	0	2	0	2
5.1113	4	2	0	0	1	0	0	1	0
5.1172	0	0	0	0	0	0	0	0	0
5.1231	0	0	0	0	0	0	0	0	0
5.1289	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

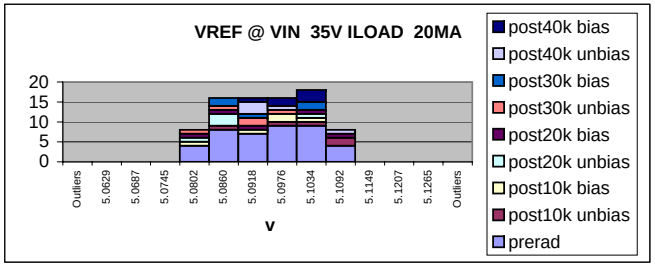
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	2.331	5.038	5.083	5.097	5.113	8.50E-03	5.162	2.529
post10k unbi	2.395	5.038	5.090	5.104	5.113	9.12E-03	5.162	2.135
post10k bias	2.293	5.038	5.083	5.097	5.104	8.60E-03	5.162	2.510
post20k unbi	1.944	5.038	5.084	5.090	5.106	8.90E-03	5.162	2.700
post20k bias	1.665	5.038	5.084	5.097	5.113	0.012	5.162	1.856
post30k unbi	2.861	5.038	5.083	5.092	5.099	6.30E-03	5.162	3.699
post30k bias	2.301	5.038	5.086	5.096	5.106	8.36E-03	5.162	2.645
post40k unbi	2.995	5.038	5.092	5.097	5.109	6.60E-03	5.162	3.267
post40k bias	4.877	5.038	5.096	5.101	5.107	4.30E-03	5.162	4.733



VREF @ VIN 35V ILOAD 20MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
5.0629	0	0	0	0	0	0	0	0	0
5.0687	0	0	0	0	0	0	0	0	0
5.0745	0	0	0	0	0	0	0	0	0
5.0802	4	0	1	1	1	1	0	0	0
5.0860	8	1	0	3	1	1	2	0	0
5.0918	7	0	1	0	1	2	1	3	1
5.0976	9	1	2	0	0	1	0	1	2
5.1034	9	1	1	1	1	0	2	0	3
5.1092	4	2	0	0	1	0	0	1	0
5.1149	0	0	0	0	0	0	0	0	0
5.1207	0	0	0	0	0	0	0	0	0
5.1265	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

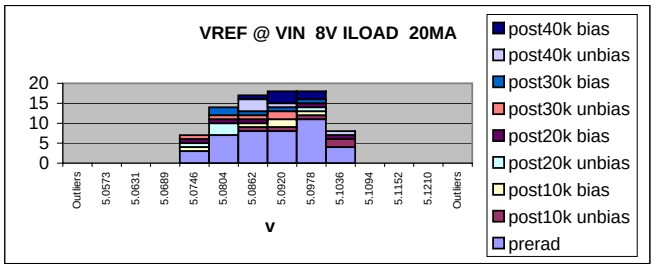
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	2.240	5.038	5.081	5.095	5.111	8.53E-03	5.162	2.604
post10k unbi	2.373	5.038	5.088	5.102	5.110	8.93E-03	5.162	2.254
post10k bias	2.226	5.038	5.081	5.095	5.102	8.61E-03	5.162	2.577
post20k unbi	1.874	5.038	5.082	5.088	5.104	8.93E-03	5.162	2.757
post20k bias	1.634	5.038	5.082	5.095	5.110	0.012	5.162	1.939
post30k unbi	2.683	5.038	5.081	5.090	5.098	6.49E-03	5.162	3.685
post30k bias	2.278	5.038	5.085	5.094	5.104	8.19E-03	5.162	2.770
post40k unbi	2.903	5.038	5.090	5.095	5.107	6.59E-03	5.162	3.370
post40k bias	4.658	5.038	5.094	5.099	5.106	4.38E-03	5.162	4.779



VREF @ VIN 8V ILOAD 20MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
5.0573	0	0	0	0	0	0	0	0	0
5.0631	0	0	0	0	0	0	0	0	0
5.0689	0	0	0	0	0	0	0	0	0
5.0746	3	0	1	1	1	1	0	0	0
5.0804	7	0	0	3	1	1	2	0	0
5.0862	8	1	1	0	1	1	1	3	1
5.0920	8	1	2	0	0	2	1	1	3
5.0978	11	1	1	1	1	0	1	0	2
5.1036	4	2	0	0	1	0	0	1	0
5.1094	0	0	0	0	0	0	0	0	0
5.1152	0	0	0	0	0	0	0	0	0
5.1210	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

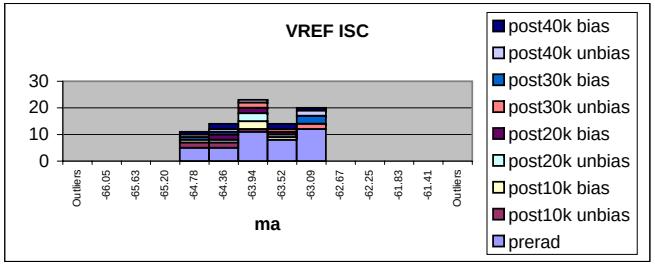
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	2.029	5.038	5.076	5.090	5.106	8.58E-03	5.162	2.787
post10k unbi	2.151	5.038	5.083	5.096	5.105	9.04E-03	5.162	2.422
post10k bias	1.941	5.038	5.075	5.090	5.097	8.92E-03	5.162	2.694
post20k unbi	1.665	5.038	5.077	5.083	5.098	8.92E-03	5.162	2.967
post20k bias	1.472	5.038	5.076	5.089	5.105	0.012	5.162	2.098
post30k unbi	2.307	5.038	5.074	5.085	5.092	6.74E-03	5.162	3.824
post30k bias	2.082	5.038	5.079	5.088	5.098	8.03E-03	5.162	3.063
post40k unbi	2.687	5.038	5.084	5.090	5.101	6.41E-03	5.162	3.758
post40k bias	3.896	5.038	5.088	5.093	5.101	4.73E-03	5.162	4.835



VREF ISC

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
-66.05	0	0	0	0	0	0	0	0	0
-65.63	0	0	0	0	0	0	0	0	0
-65.20	0	0	0	0	0	0	0	0	0
-64.78	5	2	1	0	0	0	1	1	1
-64.36	5	2	0	1	2	0	1	1	2
-63.94	11	1	3	3	2	2	0	1	0
-63.52	8	0	1	1	1	1	0	0	2
-63.09	12	0	0	0	0	2	3	2	1
-62.67	0	0	0	0	0	0	0	0	0
-62.25	0	0	0	0	0	0	0	0	0
-61.83	0	0	0	0	0	0	0	0	0
-61.41	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

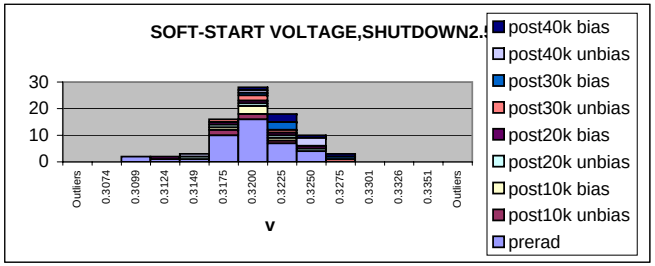
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	20.791	-98	-64.820	-63.757	-62.951	0.549	-12	31.424
post10k unbi	36.404	-98	-64.662	-64.378	-63.897	0.308	-12	56.712
post10k bias	24.043	-98	-64.846	-64.049	-63.709	0.471	-12	36.859
post20k unbi	29.189	-98	-64.477	-63.953	-63.406	0.389	-12	44.540
post20k bias	27.768	-98	-64.449	-63.972	-63.382	0.408	-12	42.410
post30k unbi	21.750	-98	-64.132	-63.619	-62.910	0.527	-12	32.655
post30k bias	13.534	-98	-64.765	-63.727	-62.944	0.844	-12	20.426
post40k unbi	16.417	-98	-64.676	-63.818	-63.037	0.694	-12	24.887
post40k bias	18.315	-98	-64.623	-63.924	-63.149	0.620	-12	27.908



SOFT-START VOLTAGE,SHUTDOWN2.5V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.3074	0	0	0	0	0	0	0	0	0
0.3099	2	0	0	0	0	0	0	0	0
0.3124	1	0	0	0	1	0	0	0	0
0.3149	1	0	0	1	0	0	0	1	0
0.3175	10	2	1	1	1	1	0	0	0
0.3200	16	2	3	1	1	2	1	1	1
0.3225	7	1	1	1	1	1	3	0	3
0.3250	4	0	0	1	1	0	0	3	1
0.3275	0	0	0	0	0	1	1	0	1
0.3301	0	0	0	0	0	0	0	0	0
0.3326	0	0	0	0	0	0	0	0	0
0.3351	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

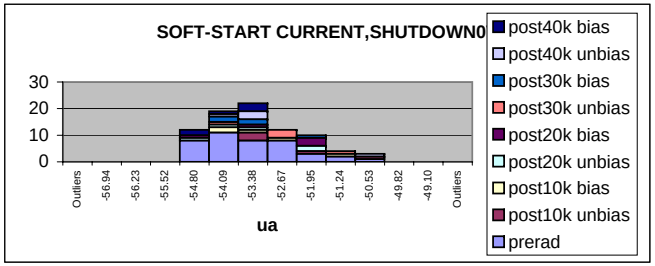
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	32.137	0	0.310	0.319	0.324	3.31E-03	0.68	36.309
post10k unbi	37.078	0	0.317	0.319	0.324	2.87E-03	0.68	41.871
post10k bias	68.519	0	0.318	0.320	0.322	1.56E-03	0.68	77.038
post20k unbi	25.004	0	0.314	0.320	0.325	4.27E-03	0.68	28.123
post20k bias	24.234	0	0.312	0.319	0.324	4.39E-03	0.68	27.379
post30k unbi	27.235	0	0.317	0.321	0.327	3.93E-03	0.68	30.459
post30k bias	42.129	0	0.321	0.323	0.327	2.56E-03	0.68	46.552
post40k unbi	21.457	0	0.314	0.321	0.326	4.99E-03	0.68	23.940
post40k bias	40.832	0	0.321	0.324	0.328	2.65E-03	0.68	44.848



SOFT-START CURRENT,SHUTDOWN0V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
-56.94	0	0	0	0	0	0	0	0	0
-56.23	0	0	0	0	0	0	0	0	0
-55.52	0	0	0	0	0	0	0	0	0
-54.80	8	0	0	1	1	0	0	0	2
-54.09	11	0	2	1	0	1	2	1	1
-53.38	8	3	1	1	1	0	2	3	3
-52.67	8	0	1	0	0	3	0	0	0
-51.95	3	1	0	2	3	0	1	0	0
-51.24	2	0	1	0	0	1	0	0	0
-50.53	1	1	0	0	0	0	0	1	0
-49.82	0	0	0	0	0	0	0	0	0
-49.10	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

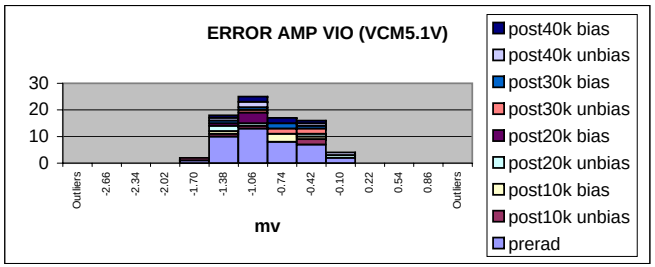
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	7.868	-79	-55.056	-53.440	-50.605	1.083	-26	8.447
post10k unbi	6.824	-79	-53.569	-52.614	-50.534	1.289	-26	6.883
post10k bias	7.552	-79	-54.133	-53.114	-51.398	1.143	-26	7.911
post20k unbi	6.522	-79	-54.812	-53.275	-51.738	1.315	-26	6.916
post20k bias	7.328	-79	-54.614	-52.844	-51.879	1.190	-26	7.521
post30k unbi	10.502	-79	-53.841	-52.695	-51.567	0.835	-26	10.658
post30k bias	10.653	-79	-54.312	-53.409	-52.187	0.801	-26	11.410
post40k unbi	6.213	-79	-54.431	-53.136	-50.775	1.388	-26	6.519
post40k bias	14.097	-79	-54.685	-53.912	-53.247	0.593	-26	15.685



ERROR AMP VIO (VCM5.1V)

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
-2.66	0	0	0	0	0	0	0	0	0
-2.34	0	0	0	0	0	0	0	0	0
-2.02	0	0	0	0	0	0	0	0	0
-1.70	1	1	0	0	0	0	0	0	0
-1.38	10	1	1	2	1	0	1	1	1
-1.06	13	1	0	1	4	1	1	2	2
-0.74	8	0	3	0	0	2	2	0	2
-0.42	7	2	1	1	0	2	1	1	1
-0.10	2	0	0	1	0	0	0	1	0
0.22	0	0	0	0	0	0	0	0	0
0.54	0	0	0	0	0	0	0	0	0
0.86	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

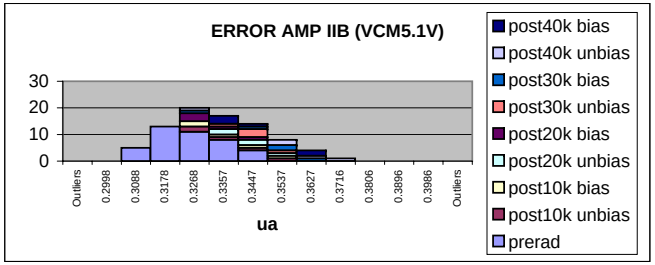
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	3.403	-4.8	-1.683	-0.954	-0.063	0.377	4.8	5.090
post10k unbi	2.277	-4.8	-1.645	-0.996	-0.339	0.557	4.8	3.469
post10k bias	4.898	-4.8	-1.248	-0.803	-0.540	0.272	4.8	6.868
post20k unbi	2.032	-4.8	-1.463	-0.898	-0.007	0.640	4.8	2.967
post20k bias	8.019	-4.8	-1.319	-1.054	-0.915	0.156	4.8	12.533
post30k unbi	5.008	-4.8	-1.116	-0.779	-0.457	0.268	4.8	6.949
post30k bias	4.198	-4.8	-1.244	-0.803	-0.410	0.317	4.8	5.886
post40k unbi	2.787	-4.8	-1.263	-0.761	-0.102	0.483	4.8	3.837
post40k bias	4.307	-4.8	-1.279	-0.909	-0.435	0.301	4.8	6.318



ERROR AMP IIB (VCM5.1V)

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.2998	0	0	0	0	0	0	0	0	0
0.3088	5	0	0	0	0	0	0	0	0
0.3178	13	0	0	0	0	0	0	0	0
0.3268	11	2	2	0	3	0	1	1	0
0.3357	8	1	1	2	1	1	0	0	3
0.3447	4	1	1	2	1	3	1	0	1
0.3537	0	1	1	1	0	1	2	2	0
0.3627	0	0	0	0	0	0	1	1	2
0.3716	0	0	0	0	0	0	0	1	0
0.3806	0	0	0	0	0	0	0	0	0
0.3896	0	0	0	0	0	0	0	0	0
0.3986	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

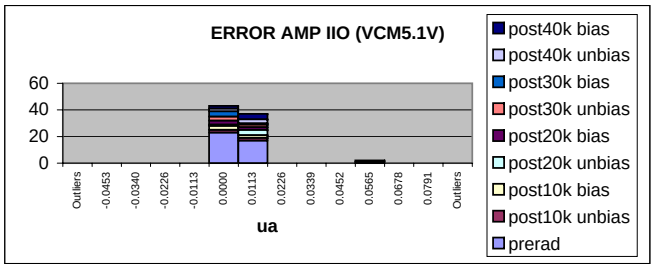
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	10.838	0	0.305	0.325	0.345	0.010	9	288.957
post10k unbi	9.978	0	0.324	0.337	0.351	0.011	9	256.279
post10k bias	10.233	0	0.327	0.339	0.353	0.011	9	261.315
post20k unbi	17.277	0	0.337	0.345	0.353	6.65E-03	9	433.930
post20k bias	13.033	0	0.326	0.333	0.347	8.51E-03	9	339.583
post30k unbi	17.172	0	0.340	0.345	0.355	6.70E-03	9	430.664
post30k bias	8.820	0	0.330	0.348	0.366	0.013	9	219.479
post40k unbi	7.221	0	0.331	0.354	0.374	0.016	9	176.355
post40k bias	9.029	0	0.335	0.346	0.362	0.013	9	225.651



ERROR AMP IIO (VCM5.1V)

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
-0.0453	0	0	0	0	0	0	0	0	0
-0.0340	0	0	0	0	0	0	0	0	0
-0.0226	0	0	0	0	0	0	0	0	0
-0.0113	0	0	0	0	0	0	0	0	0
0.0000	23	2	3	1	3	3	4	2	2
0.0113	17	2	2	4	2	2	1	3	4
0.0226	0	0	0	0	0	0	0	0	0
0.0339	0	0	0	0	0	0	0	0	0
0.0452	0	0	0	0	0	0	0	0	0
0.0565	1	1	0	0	0	0	0	0	0
0.0678	0	0	0	0	0	0	0	0	0
0.0791	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

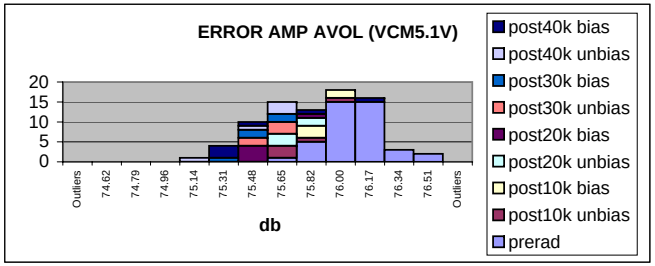
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	29.889	-0.8	0.000	0.006	0.057	8.99E-03	0.8	29.415
post10k unbi	12.044	-0.8	0.001	0.017	0.056	0.023	0.8	11.545
post10k bias	74.432	-0.8	0.000	0.003	0.009	3.60E-03	0.8	73.802
post20k unbi	58.807	-0.8	0.001	0.008	0.013	4.58E-03	0.8	57.706
post20k bias	117.496	-0.8	0.002	0.006	0.009	2.29E-03	0.8	115.781
post30k unbi	78.651	-0.8	0.000	0.003	0.007	3.40E-03	0.8	78.056
post30k bias	98.757	-0.8	0.002	0.004	0.009	2.72E-03	0.8	97.672
post40k unbi	75.875	-0.8	0.001	0.006	0.010	3.54E-03	0.8	74.775
post40k bias	74.207	-0.8	0.001	0.006	0.010	3.62E-03	0.8	73.160



ERROR AMP AVOL (VCM5.1V)

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
74.62	0	0	0	0	0	0	0	0	0
74.79	0	0	0	0	0	0	0	0	0
74.96	0	0	0	0	0	0	0	0	0
75.14	0	0	0	0	0	0	0	1	0
75.31	0	0	0	0	0	0	1	0	3
75.48	0	0	0	0	4	2	2	1	1
75.65	1	3	0	3	0	3	2	3	0
75.82	5	1	3	2	1	0	0	0	1
76.00	15	1	2	0	0	0	0	0	0
76.17	15	0	0	0	0	0	0	0	1
76.34	3	0	0	0	0	0	0	0	0
76.51	2	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

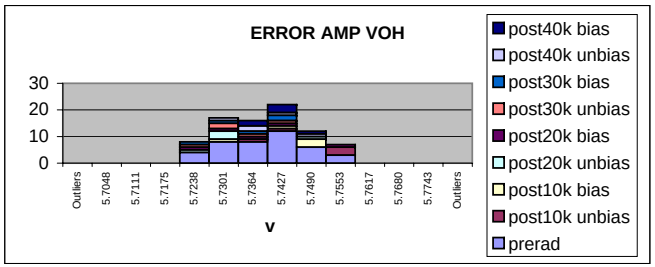
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	30.589	61	75.679	76.069	76.484	0.164	200	251.567
post10k unbi	27.099	61	75.575	75.740	75.989	0.181	200	228.452
post10k bias	41.636	61	75.754	75.916	76.069	0.119	200	346.367
post20k unbi	73.914	61	75.626	75.723	75.805	0.066	200	623.922
post20k bias	40.086	61	75.475	75.571	75.779	0.121	200	342.326
post30k unbi	88.705	61	75.500	75.570	75.651	0.055	200	757.527
post30k bias	33.331	61	75.302	75.521	75.702	0.145	200	285.724
post40k unbi	18.947	61	75.086	75.490	75.730	0.255	200	162.813
post40k bias	14.098	61	75.279	75.566	76.178	0.344	200	120.435



ERROR AMP VOH

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
5.7048	0	0	0	0	0	0	0	0	0
5.7111	0	0	0	0	0	0	0	0	0
5.7175	0	0	0	0	0	0	0	0	0
5.7238	4	0	0	1	1	1	1	0	0
5.7301	8	0	1	3	1	2	1	1	0
5.7364	8	1	0	0	1	1	1	2	2
5.7427	12	1	1	0	1	1	2	1	3
5.7490	6	0	3	1	0	0	0	1	1
5.7553	3	3	0	0	1	0	0	0	0
5.7617	0	0	0	0	0	0	0	0	0
5.7680	0	0	0	0	0	0	0	0	0
5.7743	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

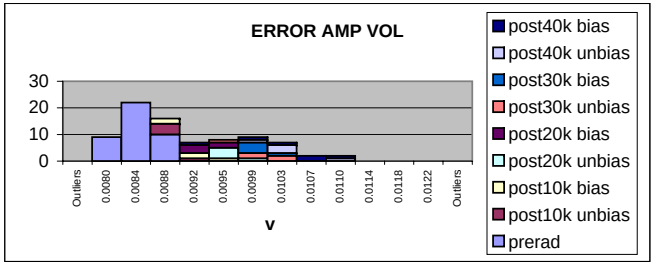
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	71.668	3.85	5.724	5.739	5.756	8.79E-03	10	161.657
post10k unbi	66.796	3.85	5.734	5.749	5.758	9.48E-03	10	149.525
post10k bias	68.508	3.85	5.727	5.743	5.750	9.21E-03	10	154.062
post20k unbi	70.270	3.85	5.725	5.732	5.747	8.93E-03	10	159.362
post20k bias	52.267	3.85	5.726	5.738	5.755	0.012	10	118.008
post30k unbi	94.996	3.85	5.723	5.733	5.740	6.61E-03	10	215.218
post30k bias	75.571	3.85	5.726	5.736	5.746	8.32E-03	10	170.796
post40k unbi	97.329	3.85	5.733	5.738	5.748	6.47E-03	10	219.760
post40k bias	133.722	3.85	5.736	5.741	5.749	4.71E-03	10	301.141



ERROR AMP VOL

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.0080	9	0	0	0	0	0	0	0	0
0.0084	22	0	0	0	0	0	0	0	0
0.0088	10	4	2	0	0	0	0	0	0
0.0092	0	1	2	0	3	0	0	0	1
0.0095	0	0	1	4	2	1	0	0	0
0.0099	0	0	0	1	0	2	4	1	1
0.0103	0	0	0	0	0	2	1	3	1
0.0107	0	0	0	0	0	0	0	0	2
0.0110	0	0	0	0	0	0	0	1	1
0.0114	0	0	0	0	0	0	0	0	0
0.0118	0	0	0	0	0	0	0	0	0
0.0122	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

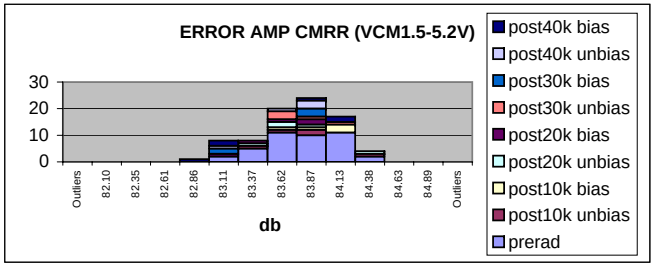
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	15.189	0	0.008	0.008	0.009	1.84E-04	0.45	799.470
post10k unbi	27.143	0	0.009	0.009	0.009	1.10E-04	0.45	1342.164
post10k bias	9.626	0	0.009	0.009	0.009	3.13E-04	0.45	469.532
post20k unbi	20.239	0	0.009	0.010	0.010	1.58E-04	0.45	928.445
post20k bias	18.825	0	0.009	0.009	0.009	1.64E-04	0.45	894.046
post30k unbi	11.868	0	0.009	0.010	0.010	2.77E-04	0.45	528.694
post30k bias	14.647	0	0.010	0.010	0.010	2.28E-04	0.45	643.147
post40k unbi	10.508	0	0.010	0.010	0.011	3.29E-04	0.45	445.927
post40k bias	4.946	0	0.009	0.010	0.011	6.92E-04	0.45	211.861



ERROR AMP CMRR (VCM1.5-5.2V)

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
82.10	0	0	0	0	0	0	0	0	0
82.35	0	0	0	0	0	0	0	0	0
82.61	0	0	0	0	0	0	0	0	0
82.86	0	0	0	0	0	0	0	0	1
83.11	2	0	0	0	1	0	2	1	2
83.37	5	1	0	1	1	0	0	0	0
83.62	11	1	1	2	1	3	0	1	0
83.87	10	2	1	1	2	1	3	3	1
84.13	11	0	3	0	0	1	0	0	2
84.38	2	1	0	1	0	0	0	0	0
84.63	0	0	0	0	0	0	0	0	0
84.89	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

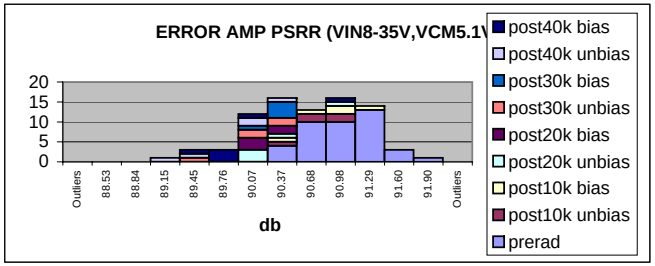
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	24.219	61.2	83.068	83.791	84.401	0.311	200	124.588
post10k unbi	19.969	61.2	83.400	83.853	84.398	0.378	200	102.386
post10k bias	37.776	61.2	83.696	83.974	84.211	0.201	200	192.460
post20k unbi	21.030	61.2	83.479	83.823	84.388	0.359	200	107.999
post20k bias	26.339	61.2	83.167	83.563	83.872	0.283	200	137.141
post30k unbi	34.125	61.2	83.519	83.731	84.037	0.220	200	176.100
post30k bias	18.584	61.2	83.078	83.561	83.941	0.401	200	96.773
post40k unbi	23.113	61.2	83.180	83.676	83.983	0.324	200	119.618
post40k bias	14.672	61.2	82.965	83.493	84.040	0.506	200	76.678



ERROR AMP PSRR (VIN8-35V,VCM5.1V)

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
88.53	0	0	0	0	0	0	0	0	0
88.84	0	0	0	0	0	0	0	0	0
89.15	0	0	0	0	0	0	0	1	0
89.45	0	0	0	0	0	1	0	1	1
89.76	0	0	0	0	0	0	0	0	3
90.07	0	0	0	3	3	2	1	2	1
90.37	4	1	1	1	2	2	4	1	0
90.68	10	2	1	0	0	0	0	0	0
90.98	10	2	2	1	0	0	0	0	1
91.29	13	0	1	0	0	0	0	0	0
91.60	3	0	0	0	0	0	0	0	0
91.90	1	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

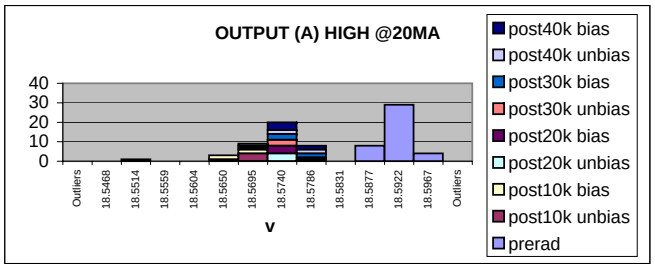
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	38.313	51.2	90.327	91.018	91.769	0.346	200	104.862
post10k unbi	43.523	51.2	90.274	90.726	91.069	0.303	200	120.325
post10k bias	41.760	51.2	90.376	90.850	91.213	0.316	200	114.958
post20k unbi	39.125	51.2	90.031	90.269	90.838	0.333	200	109.890
post20k bias	74.073	51.2	90.054	90.222	90.485	0.176	200	208.385
post30k unbi	32.822	51.2	89.436	90.078	90.425	0.395	200	92.799
post30k bias	95.328	51.2	90.027	90.265	90.377	0.137	200	267.778
post40k unbi	27.514	51.2	89.217	89.781	90.369	0.467	200	78.601
post40k bias	26.368	51.2	89.504	89.997	90.901	0.490	200	74.762



OUTPUT (A) HIGH @20MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
18.5468	0	0	0	0	0	0	0	0	0
18.5514	0	0	1	0	0	0	0	0	0
18.5559	0	0	0	0	0	0	0	0	0
18.5604	0	0	0	0	0	0	0	0	0
18.5650	0	1	2	0	0	0	0	0	0
18.5695	0	4	2	1	0	1	0	1	0
18.5740	0	0	0	4	4	3	3	2	4
18.5786	0	0	0	0	1	1	2	2	2
18.5831	0	0	0	0	0	0	0	0	0
18.5877	8	0	0	0	0	0	0	0	0
18.5922	29	0	0	0	0	0	0	0	0
18.5967	4	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

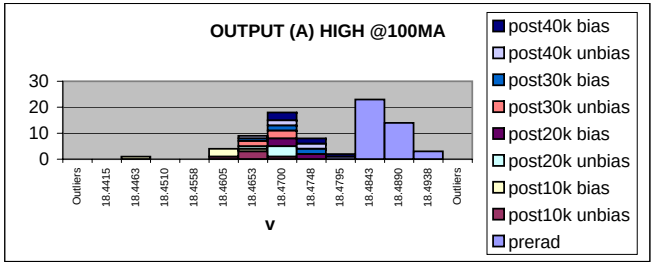
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	84.627	18.02	18.588	18.592	18.597	2.25E-03	20	208.185
post10k unbi	82.259	18.02	18.565	18.569	18.571	2.22E-03	20	214.479
post10k bias	28.474	18.02	18.553	18.564	18.569	6.36E-03	20	75.231
post20k unbi	100.504	18.02	18.570	18.573	18.575	1.84E-03	20	259.127
post20k bias	120.189	18.02	18.574	18.575	18.578	1.54E-03	20	308.346
post30k unbi	71.654	18.02	18.570	18.573	18.577	2.57E-03	20	184.669
post30k bias	61.490	18.02	18.572	18.575	18.580	3.01E-03	20	157.841
post40k unbi	55.767	18.02	18.570	18.575	18.578	3.32E-03	20	143.122
post40k bias	70.505	18.02	18.573	18.576	18.581	2.63E-03	20	180.431



OUTPUT (A) HIGH @100MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
18.4415	0	0	0	0	0	0	0	0	0
18.4463	0	0	1	0	0	0	0	0	0
18.4510	0	0	0	0	0	0	0	0	0
18.4558	0	0	0	0	0	0	0	0	0
18.4605	0	1	3	0	0	0	0	0	0
18.4653	0	3	1	1	0	2	1	1	0
18.4700	0	1	0	4	3	3	2	2	3
18.4748	0	0	0	0	2	0	2	2	2
18.4795	1	0	0	0	0	0	0	0	1
18.4843	23	0	0	0	0	0	0	0	0
18.4890	14	0	0	0	0	0	0	0	0
18.4938	3	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

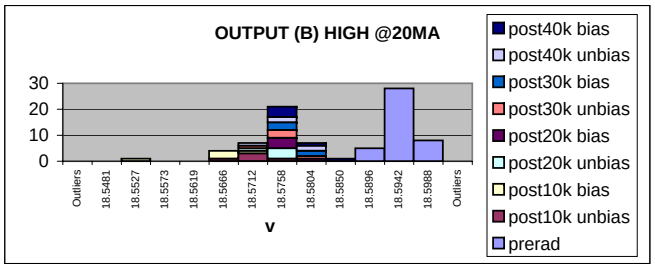
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	156.626	17.02	18.481	18.487	18.493	3.12E-03	20	161.577
post10k unbi	183.325	17.02	18.463	18.466	18.469	2.63E-03	20	194.502
post10k bias	67.332	17.02	18.448	18.461	18.468	7.13E-03	20	71.958
post20k unbi	258.097	17.02	18.467	18.470	18.472	1.87E-03	20	272.483
post20k bias	149.024	17.02	18.469	18.472	18.476	3.25E-03	20	156.900
post30k unbi	168.571	17.02	18.465	18.468	18.472	2.86E-03	20	178.274
post30k bias	140.106	17.02	18.467	18.471	18.475	3.45E-03	20	147.701
post40k unbi	93.224	17.02	18.464	18.470	18.477	5.19E-03	20	98.344
post40k bias	131.895	17.02	18.468	18.472	18.478	3.67E-03	20	138.721



OUTPUT (B) HIGH @20MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
18.5481	0	0	0	0	0	0	0	0	0
18.5527	0	0	1	0	0	0	0	0	0
18.5573	0	0	0	0	0	0	0	0	0
18.5619	0	0	0	0	0	0	0	0	0
18.5666	0	1	3	0	0	0	0	0	0
18.5712	0	3	1	1	0	1	0	1	0
18.5758	0	1	0	4	4	3	3	2	4
18.5804	0	0	0	0	1	1	2	2	1
18.5850	0	0	0	0	0	0	0	0	1
18.5896	5	0	0	0	0	0	0	0	0
18.5942	28	0	0	0	0	0	0	0	0
18.5988	8	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

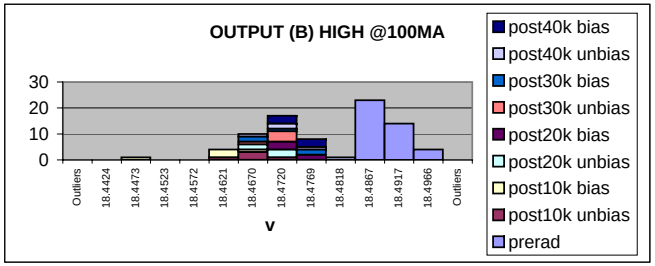
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	81.647	18.02	18.589	18.594	18.599	2.34E-03	20	199.950
post10k unbi	58.866	18.02	18.566	18.571	18.574	3.12E-03	20	152.698
post10k bias	27.479	18.02	18.554	18.566	18.571	6.62E-03	20	72.228
post20k unbi	86.429	18.02	18.572	18.575	18.577	2.14E-03	20	221.801
post20k bias	96.888	18.02	18.575	18.577	18.580	1.92E-03	20	247.488
post30k unbi	58.867	18.02	18.570	18.575	18.578	3.14E-03	20	151.192
post30k bias	69.598	18.02	18.575	18.577	18.581	2.67E-03	20	177.886
post40k unbi	60.379	18.02	18.573	18.577	18.581	3.08E-03	20	154.115
post40k bias	64.055	18.02	18.575	18.578	18.583	2.91E-03	20	163.073



OUTPUT (B) HIGH @100MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
18.4424	0	0	0	0	0	0	0	0	0
18.4473	0	0	1	0	0	0	0	0	0
18.4523	0	0	0	0	0	0	0	0	0
18.4572	0	0	0	0	0	0	0	0	0
18.4621	0	1	3	0	0	0	0	0	0
18.4670	0	3	1	2	0	1	2	1	0
18.4720	0	1	0	3	3	4	1	2	3
18.4769	0	0	0	0	2	0	2	1	3
18.4818	0	0	0	0	0	0	0	1	0
18.4867	23	0	0	0	0	0	0	0	0
18.4917	14	0	0	0	0	0	0	0	0
18.4966	4	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

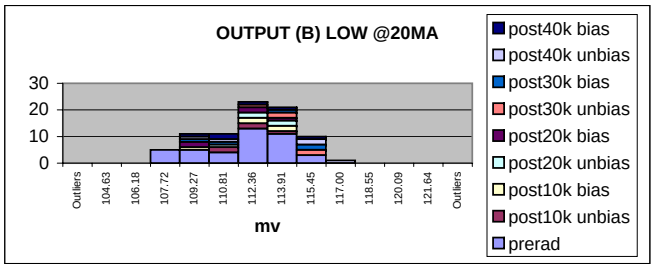
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	143.543	17.02	18.485	18.489	18.497	3.41E-03	20	147.679
post10k unbi	156.172	17.02	18.463	18.467	18.471	3.09E-03	20	165.432
post10k bias	67.324	17.02	18.449	18.461	18.468	7.14E-03	20	71.869
post20k unbi	525.241	17.02	18.469	18.470	18.472	9.20E-04	20	554.086
post20k bias	159.621	17.02	18.470	18.473	18.477	3.03E-03	20	167.746
post30k unbi	178.904	17.02	18.465	18.469	18.472	2.70E-03	20	188.947
post30k bias	104.860	17.02	18.467	18.472	18.478	4.62E-03	20	110.361
post40k unbi	83.874	17.02	18.466	18.473	18.480	5.77E-03	20	88.177
post40k bias	130.161	17.02	18.470	18.474	18.478	3.72E-03	20	136.640



OUTPUT (B) LOW @20MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
104.63	0	0	0	0	0	0	0	0	0
106.18	0	0	0	0	0	0	0	0	0
107.72	5	0	0	0	0	0	0	0	0
109.27	5	0	1	0	2	0	1	1	1
110.81	4	2	0	1	0	0	1	1	2
112.36	13	2	2	2	2	1	0	0	1
113.91	11	1	2	2	1	2	1	0	1
115.45	3	0	0	0	0	2	2	2	1
117.00	0	0	0	0	0	0	0	1	0
118.55	0	0	0	0	0	0	0	0	0
120.09	0	0	0	0	0	0	0	0	0
121.64	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

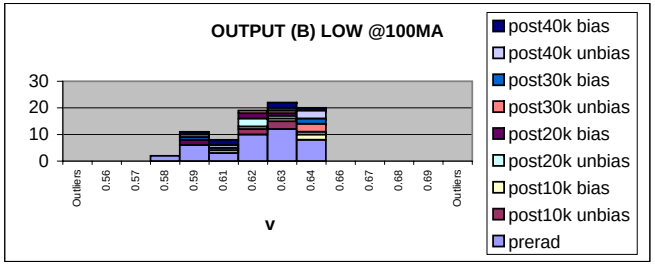
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	16.711	0	107.019	111.862	115.897	2.231	380	40.058
post10k unbi	36.648	0	111.169	112.239	113.607	1.021	380	87.429
post10k bias	20.594	0	109.627	112.560	114.084	1.822	380	48.930
post20k unbi	36.024	0	111.354	112.668	114.098	1.043	380	85.476
post20k bias	17.026	0	108.630	111.137	113.258	2.176	380	41.189
post30k unbi	27.164	0	112.730	114.400	115.779	1.404	380	63.067
post30k bias	12.550	0	108.655	112.850	115.626	2.997	380	29.709
post40k unbi	12.861	0	109.636	113.579	116.284	2.944	380	30.168
post40k bias	16.400	0	109.503	112.229	115.352	2.281	380	39.130



OUTPUT (B) LOW @100MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.56	0	0	0	0	0	0	0	0	0
0.57	0	0	0	0	0	0	0	0	0
0.58	2	0	0	0	0	0	0	0	0
0.59	6	0	0	0	2	0	1	1	1
0.61	3	0	1	0	0	0	1	1	2
0.62	10	2	1	3	2	1	0	0	0
0.63	12	3	1	1	1	1	1	0	2
0.64	8	0	2	1	0	3	2	3	1
0.66	0	0	0	0	0	0	0	0	0
0.67	0	0	0	0	0	0	0	0	0
0.68	0	0	0	0	0	0	0	0	0
0.69	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

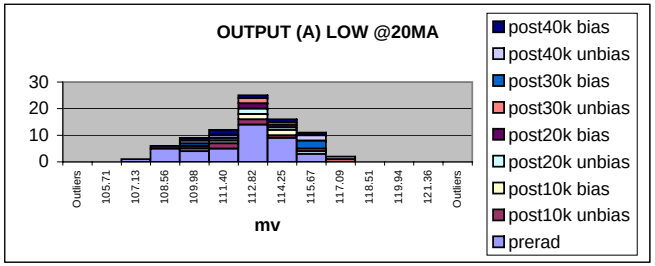
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	11.554	0	0.584	0.621	0.645	0.018	1.98	25.267
post10k unbi	19.899	0	0.614	0.626	0.638	0.010	1.98	43.002
post10k bias	12.331	0	0.603	0.629	0.646	0.017	1.98	26.463
post20k unbi	17.551	0	0.614	0.625	0.644	0.012	1.98	38.009
post20k bias	11.376	0	0.592	0.614	0.633	0.018	1.98	25.312
post30k unbi	16.360	0	0.622	0.638	0.651	0.013	1.98	34.388
post30k bias	8.460	0	0.592	0.625	0.648	0.025	1.98	18.354
post40k unbi	8.923	0	0.600	0.631	0.650	0.024	1.98	19.097
post40k bias	10.400	0	0.596	0.620	0.647	0.020	1.98	22.810



OUTPUT (A) LOW @20MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
105.71	0	0	0	0	0	0	0	0	0
107.13	1	0	0	0	0	0	0	0	0
108.56	5	0	0	0	1	0	0	0	0
109.98	4	0	1	0	1	0	1	1	1
111.40	5	2	0	1	0	0	1	1	2
112.82	14	2	2	2	2	2	0	0	1
114.25	9	1	2	1	1	1	0	0	1
115.67	3	0	0	1	0	1	3	2	1
117.09	0	0	0	0	0	1	0	1	0
118.51	0	0	0	0	0	0	0	0	0
119.94	0	0	0	0	0	0	0	0	0
121.36	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

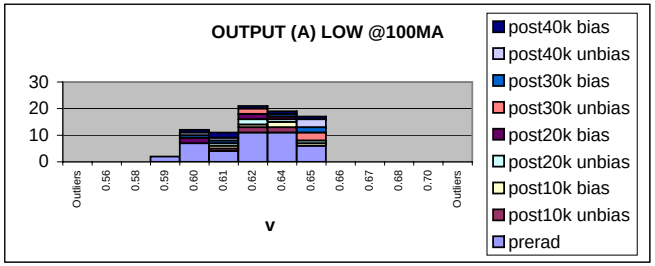
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	17.451	0	107.619	112.347	116.165	2.146	380	41.574
post10k unbi	33.248	0	111.455	112.609	114.046	1.129	380	78.948
post10k bias	24.341	0	110.635	113.055	114.828	1.548	380	57.473
post20k unbi	30.544	0	111.983	113.171	115.029	1.235	380	72.015
post20k bias	17.452	0	109.068	111.564	113.735	2.131	380	41.991
post30k unbi	26.339	0	113.341	114.842	116.523	1.453	380	60.813
post30k bias	13.674	0	109.475	113.284	115.664	2.762	380	32.193
post40k unbi	14.425	0	110.644	114.157	116.417	2.638	380	33.592
post40k bias	15.681	0	109.846	112.709	116.131	2.396	380	37.188



OUTPUT (A) LOW @100MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.56	0	0	0	0	0	0	0	0	0
0.58	0	0	0	0	0	0	0	0	0
0.59	2	0	0	0	0	0	0	0	0
0.60	7	0	0	0	2	0	1	1	1
0.61	4	1	1	1	0	0	1	1	2
0.62	11	2	1	2	2	2	0	0	1
0.64	11	2	2	1	1	0	1	0	1
0.65	6	0	1	1	0	3	2	3	1
0.66	0	0	0	0	0	0	0	0	0
0.67	0	0	0	0	0	0	0	0	0
0.68	0	0	0	0	0	0	0	0	0
0.70	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

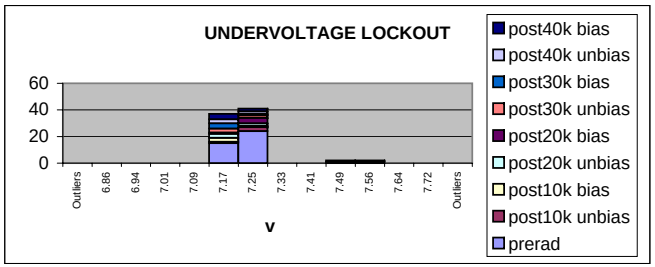
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	12.062	0	0.588	0.624	0.647	0.017	1.98	26.208
post10k unbi	21.024	0	0.617	0.629	0.640	9.97E-03	1.98	45.175
post10k bias	15.082	0	0.608	0.631	0.642	0.014	1.98	32.261
post20k unbi	17.831	0	0.617	0.628	0.647	0.012	1.98	38.412
post20k bias	11.985	0	0.596	0.616	0.635	0.017	1.98	26.524
post30k unbi	15.398	0	0.624	0.640	0.654	0.014	1.98	32.218
post30k bias	8.931	0	0.596	0.628	0.649	0.023	1.98	19.238
post40k unbi	9.295	0	0.605	0.634	0.652	0.023	1.98	19.728
post40k bias	10.558	0	0.598	0.622	0.650	0.020	1.98	23.036



UNDERVOLTAGE LOCKOUT

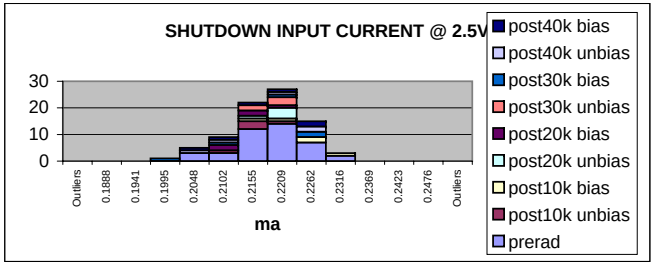
Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
6.86	0	0	0	0	0	0	0	0	0
6.94	0	0	0	0	0	0	0	0	0
7.01	0	0	0	0	0	0	0	0	0
7.09	0	0	0	0	0	0	0	0	0
7.17	15	1	3	3	1	3	4	3	4
7.25	24	3	1	2	4	2	1	2	2
7.33	0	0	0	0	0	0	0	0	0
7.41	0	0	0	0	0	0	0	0	0
7.49	1	0	1	0	0	0	0	0	0
7.56	1	1	0	0	0	0	0	0	0
7.64	0	0	0	0	0	0	0	0	0
7.72	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	5.660	6.05	7.180	7.228	7.557	0.069	7.95	3.469
post10k unbi	2.634	6.05	7.205	7.289	7.569	0.157	7.95	1.404
post10k bias	3.127	6.05	7.192	7.264	7.493	0.129	7.95	1.769
post20k unbi	19.111	6.05	7.181	7.205	7.230	0.020	7.95	12.336
post20k bias	19.393	6.05	7.182	7.215	7.235	0.020	7.95	12.233
post30k unbi	24.739	6.05	7.192	7.207	7.228	0.016	7.95	15.870
post30k bias	35.241	6.05	7.198	7.206	7.224	0.011	7.95	22.672
post40k unbi	46.926	6.05	7.197	7.209	7.219	8.23E-03	7.95	30.006
post40k bias	30.186	6.05	7.190	7.207	7.226	0.013	7.95	19.382



SHUTDOWN INPUT CURRENT @ 2.5V

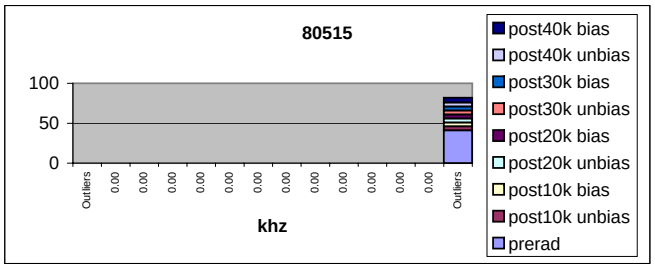
Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.1888	0	0	0	0	0	0	0	0	0
0.1941	0	0	0	0	0	0	0	0	0
0.1995	0	0	0	0	0	0	1	0	0
0.2048	3	0	0	0	0	0	0	1	1
0.2102	3	1	0	0	2	0	1	1	1
0.2155	12	3	1	1	2	2	0	0	1
0.2209	14	1	1	4	1	3	1	1	1
0.2262	7	0	2	0	0	0	2	2	2
0.2316	2	0	1	0	0	0	0	0	0
0.2369	0	0	0	0	0	0	0	0	0
0.2423	0	0	0	0	0	0	0	0	0
0.2476	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0



	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	10.977	0	0.203	0.219	0.231	6.64E-03	0.9	34.176
post10k unbi	22.493	0	0.212	0.216	0.221	3.21E-03	0.9	71.088
post10k bias	13.093	0	0.218	0.224	0.232	5.70E-03	0.9	39.583
post20k unbi	56.128	0	0.218	0.220	0.222	1.30E-03	0.9	173.759
post20k bias	15.602	0	0.213	0.216	0.223	4.62E-03	0.9	49.347
post30k unbi	23.267	0	0.215	0.219	0.222	3.14E-03	0.9	72.394
post30k bias	6.925	0	0.202	0.218	0.226	0.010	0.9	21.730
post40k unbi	6.989	0	0.205	0.219	0.228	0.010	0.9	21.740
post40k bias	7.896	0	0.203	0.216	0.226	9.12E-03	0.9	25.008

80515

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
Outliers	41	5	5	5	5	5	5	5	6

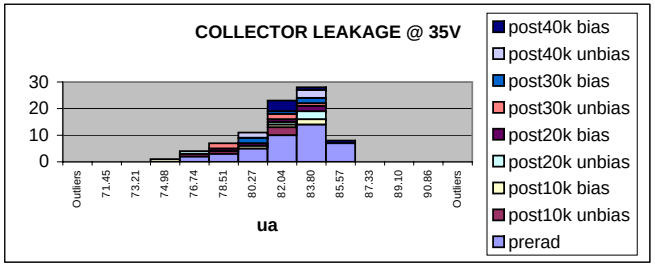


	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	Infinite	-0.1	0.000	0.000	0.000	0.00E+00	0.1	Infinite
post10k unbi	Infinite	-0.1	0.000	0.000	0.000	0.00E+00	0.1	Infinite
post10k bias	Infinite	-0.1	0.000	0.000	0.000	0.00E+00	0.1	Infinite
post20k unbi	Infinite	-0.1	0.000	0.000	0.000	0.00E+00	0.1	Infinite
post20k bias	Infinite	-0.1	0.000	0.000	0.000	0.00E+00	0.1	Infinite
post30k unbi	Infinite	-0.1	0.000	0.000	0.000	0.00E+00	0.1	Infinite
post30k bias	Infinite	-0.1	0.000	0.000	0.000	0.00E+00	0.1	Infinite
post40k unbi	Infinite	-0.1	0.000	0.000	0.000	0.00E+00	0.1	Infinite
post40k bias	Infinite	-0.1	0.000	0.000	0.000	0.00E+00	0.1	Infinite

COLLECTOR LEAKAGE @ 35V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
71.45	0	0	0	0	0	0	0	0	0
73.21	0	0	0	0	0	0	0	0	0
74.98	0	0	1	0	0	0	0	0	0
76.74	2	1	0	1	0	0	0	0	0
78.51	3	1	0	0	1	2	0	0	0
80.27	5	0	1	0	1	0	2	2	0
82.04	10	3	1	1	1	2	1	0	4
83.80	14	0	2	3	2	1	2	3	1
85.57	7	0	0	0	0	0	0	0	1
87.33	0	0	0	0	0	0	0	0	0
89.10	0	0	0	0	0	0	0	0	0
90.86	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

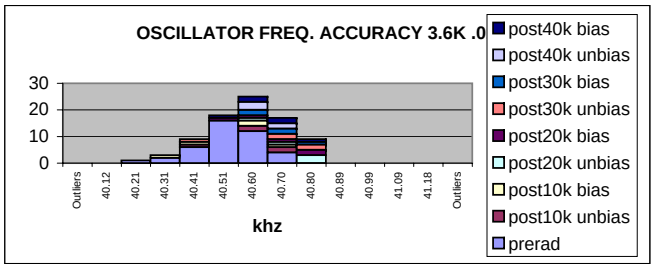
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	12.301	0	76.402	82.523	85.266	2.236	195	16.766
post10k unbi	9.827	0	76.338	80.103	82.397	2.717	195	14.096
post10k bias	7.663	0	75.537	81.153	83.999	3.530	195	10.750
post20k unbi	9.924	0	77.442	82.042	83.992	2.756	195	13.663
post20k bias	12.350	0	78.703	81.752	83.690	2.207	195	17.108
post30k unbi	12.108	0	77.898	80.818	83.364	2.225	195	17.107
post30k bias	15.872	0	80.013	82.276	84.029	1.728	195	21.745
post40k unbi	15.484	0	79.953	82.312	83.818	1.772	195	21.198
post40k bias	20.325	0	81.461	82.849	85.038	1.359	195	27.513



OSCILLATOR FREQ. ACCURACY 3.6K .01UF

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
40.12	0	0	0	0	0	0	0	0	0
40.21	1	0	0	0	0	0	0	0	0
40.31	2	0	1	0	0	0	0	0	0
40.41	6	1	1	0	0	1	0	0	0
40.51	16	0	0	0	1	0	0	0	1
40.60	12	2	2	1	1	0	2	3	2
40.70	4	2	1	1	1	2	2	2	2
40.80	0	0	0	3	2	2	1	0	1
40.89	0	0	0	0	0	0	0	0	0
40.99	0	0	0	0	0	0	0	0	0
41.09	0	0	0	0	0	0	0	0	0
41.18	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

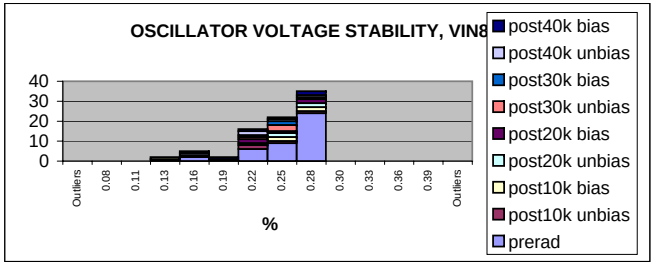
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	8.149	37.8	40.186	40.522	40.688	0.111	42.2	5.022
post10k unbi	8.311	37.8	40.433	40.615	40.715	0.113	42.2	4.679
post10k bias	6.019	37.8	40.320	40.521	40.688	0.151	42.2	3.714
post20k unbi	14.738	37.8	40.645	40.747	40.812	0.067	42.2	7.269
post20k bias	9.300	37.8	40.523	40.670	40.770	0.103	42.2	4.959
post30k unbi	5.290	37.8	40.381	40.686	40.835	0.182	42.2	2.774
post30k bias	12.979	37.8	40.598	40.672	40.784	0.074	42.2	6.902
post40k unbi	30.292	37.8	40.608	40.640	40.674	0.031	42.2	16.638
post40k bias	10.902	37.8	40.514	40.632	40.750	0.087	42.2	6.036



OSCILLATOR VOLTAGE STABILITY, VIN8-35V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.08	0	0	0	0	0	0	0	0	0
0.11	0	0	0	0	0	0	0	0	0
0.13	0	1	1	0	0	0	0	0	0
0.16	2	0	0	0	0	0	1	1	1
0.19	0	0	0	0	0	1	0	0	1
0.22	6	2	0	1	2	1	1	2	1
0.25	9	1	2	2	1	3	2	1	1
0.28	24	1	2	2	2	0	1	1	2
0.30	0	0	0	0	0	0	0	0	0
0.33	0	0	0	0	0	0	0	0	0
0.36	0	0	0	0	0	0	0	0	0
0.39	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

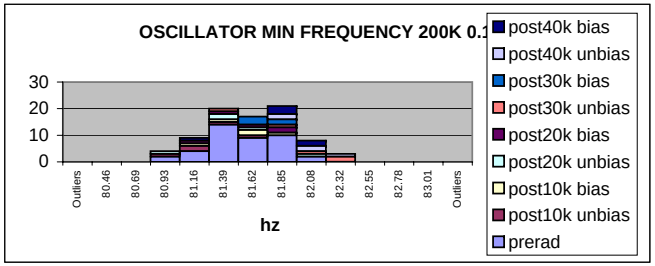
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	13.872	-0.9	0.157	0.255	0.286	0.028	0.9	7.742
post10k unbi	7.165	-0.9	0.133	0.221	0.262	0.052	0.9	4.344
post10k bias	6.784	-0.9	0.140	0.235	0.282	0.056	0.9	3.970
post20k unbi	16.985	-0.9	0.212	0.251	0.267	0.023	0.9	9.578
post20k bias	11.977	-0.9	0.205	0.247	0.283	0.032	0.9	6.815
post30k unbi	15.998	-0.9	0.201	0.234	0.252	0.024	0.9	9.389
post30k bias	11.212	-0.9	0.177	0.233	0.266	0.034	0.9	6.606
post40k unbi	9.329	-0.9	0.165	0.229	0.272	0.040	0.9	5.543
post40k bias	8.840	-0.9	0.170	0.231	0.276	0.043	0.9	5.224



OSCILLATOR MIN FREQUENCY 200K 0.1UF

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
80.46	0	0	0	0	0	0	0	0	0
80.69	0	0	0	0	0	0	0	0	0
80.93	2	1	0	1	0	0	0	0	0
81.16	4	2	1	0	1	0	0	0	1
81.39	14	1	1	2	1	1	0	0	0
81.62	9	1	2	1	1	0	3	0	0
81.85	10	0	1	0	2	1	2	2	3
82.08	2	0	0	1	0	1	0	2	2
82.32	0	0	0	0	0	2	0	1	0
82.55	0	0	0	0	0	0	0	0	0
82.78	0	0	0	0	0	0	0	0	0
83.01	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

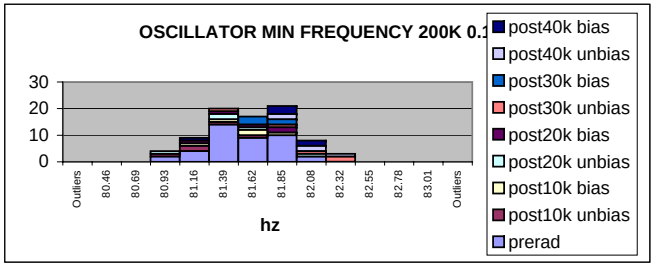
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	90.057		0	80.822	81.551	82.100	0.302	119	41.356
post10k unbi	118.662		0	81.020	81.240	81.576	0.228	119	55.154
post10k bias	101.709		0	81.182	81.535	81.759	0.267	119	46.735
post20k unbi	68.205		0	81.018	81.542	82.124	0.399	119	31.331
post20k bias	91.571		0	81.114	81.547	81.864	0.297	119	42.057
post30k unbi	71.383		0	81.471	81.978	82.431	0.383	119	32.237
post30k bias	212.664		0	81.597	81.750	81.950	0.128	119	96.903
post40k unbi	130.938		0	81.852	82.075	82.393	0.209	119	58.908
post40k bias	77.568		0	81.137	81.800	82.166	0.352	119	35.275



OSCILLATOR MIN FREQUENCY 200K 0.1UF

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
80.46	0	0	0	0	0	0	0	0	0
80.69	0	0	0	0	0	0	0	0	0
80.93	2	1	0	1	0	0	0	0	0
81.16	4	2	1	0	1	0	0	0	1
81.39	14	1	1	2	1	1	0	0	0
81.62	9	1	2	1	1	0	3	0	0
81.85	10	0	1	0	2	1	2	2	3
82.08	2	0	0	1	0	1	0	2	2
82.32	0	0	0	0	0	2	0	1	0
82.55	0	0	0	0	0	0	0	0	0
82.78	0	0	0	0	0	0	0	0	0
83.01	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

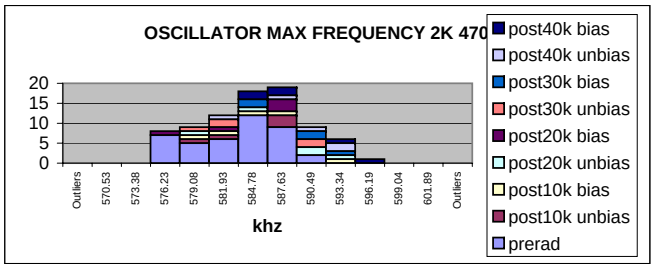
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	90.057	0	80.822	81.551	82.100	0.302	119	41.356
post10k unbi	118.662	0	81.020	81.240	81.576	0.228	119	55.154
post10k bias	101.709	0	81.182	81.535	81.759	0.267	119	46.735
post20k unbi	68.205	0	81.018	81.542	82.124	0.399	119	31.331
post20k bias	91.571	0	81.114	81.547	81.864	0.297	119	42.057
post30k unbi	71.383	0	81.471	81.978	82.431	0.383	119	32.237
post30k bias	212.664	0	81.597	81.750	81.950	0.128	119	96.903
post40k unbi	130.938	0	81.852	82.075	82.393	0.209	119	58.908
post40k bias	77.568	0	81.137	81.800	82.166	0.352	119	35.275



OSCILLATOR MAX FREQUENCY 2K 470PF

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
570.53	0	0	0	0	0	0	0	0	0
573.38	0	0	0	0	0	0	0	0	0
576.23	7	0	0	0	1	0	0	0	0
579.08	5	1	1	1	0	1	0	0	0
581.93	6	1	1	0	1	2	0	1	0
584.78	12	0	1	1	0	0	2	0	2
587.63	9	3	1	0	3	0	0	1	2
590.49	2	0	0	2	0	2	2	1	0
593.34	0	0	1	1	0	0	1	2	1
596.19	0	0	0	0	0	0	0	0	1
599.04	0	0	0	0	0	0	0	0	0
601.89	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

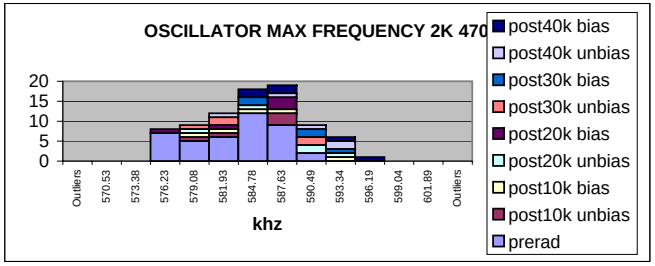
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	14.131	404	575.190	582.930	590.965	4.221	1000	32.938
post10k unbi	15.996	404	580.209	584.636	588.222	3.764	1000	36.782
post10k bias	11.469	404	578.257	585.208	591.976	5.267	1000	26.252
post20k unbi	11.990	404	580.012	587.623	592.538	5.105	1000	26.928
post20k bias	11.952	404	577.018	584.182	589.007	5.025	1000	27.582
post30k unbi	13.161	404	580.104	584.728	590.215	4.577	1000	30.241
post30k bias	20.048	404	585.451	589.120	592.086	3.078	1000	44.497
post40k unbi	13.259	404	582.613	589.335	594.464	4.659	1000	29.379
post40k bias	14.214	404	585.196	589.497	596.514	4.350	1000	31.457



OSCILLATOR MAX FREQUENCY 2K 470PF

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
570.53	0	0	0	0	0	0	0	0	0
573.38	0	0	0	0	0	0	0	0	0
576.23	7	0	0	0	1	0	0	0	0
579.08	5	1	1	1	0	1	0	0	0
581.93	6	1	1	0	1	2	0	1	0
584.78	12	0	1	1	0	0	2	0	2
587.63	9	3	1	0	3	0	0	1	2
590.49	2	0	0	2	0	2	2	1	0
593.34	0	0	1	1	0	0	1	2	1
596.19	0	0	0	0	0	0	0	0	1
599.04	0	0	0	0	0	0	0	0	0
601.89	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

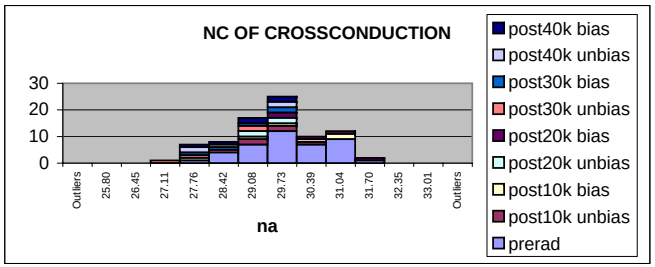
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	14.131	404	575.190	582.930	590.965	4.221	1000	32.938
post10k unbi	15.996	404	580.209	584.636	588.222	3.764	1000	36.782
post10k bias	11.469	404	578.257	585.208	591.976	5.267	1000	26.252
post20k unbi	11.990	404	580.012	587.623	592.538	5.105	1000	26.928
post20k bias	11.952	404	577.018	584.182	589.007	5.025	1000	27.582
post30k unbi	13.161	404	580.104	584.728	590.215	4.577	1000	30.241
post30k bias	20.048	404	585.451	589.120	592.086	3.078	1000	44.497
post40k unbi	13.259	404	582.613	589.335	594.464	4.659	1000	29.379
post40k bias	14.214	404	585.196	589.497	596.514	4.350	1000	31.457



NC OF CROSSCONDUCTION

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
25.80	0	0	0	0	0	0	0	0	0
26.45	0	0	0	0	0	0	0	0	0
27.11	0	0	0	0	0	1	0	0	0
27.76	1	0	0	1	0	1	1	2	1
28.42	4	0	0	0	0	1	1	1	1
29.08	7	2	1	2	0	2	1	0	2
29.73	12	2	1	2	2	0	2	2	2
30.39	7	1	1	0	1	0	0	0	0
31.04	9	0	2	0	1	0	0	0	0
31.70	1	0	0	0	1	0	0	0	0
32.35	0	0	0	0	0	0	0	0	0
33.01	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

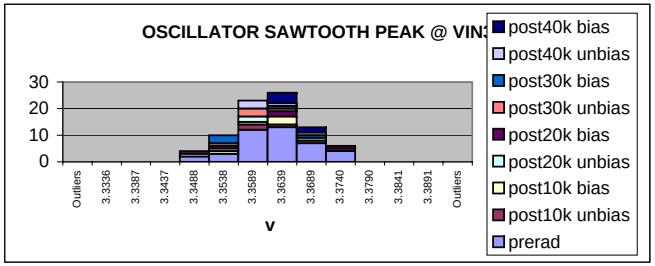
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	-	-	27.671	29.813	31.774	0.900	-	-
post10k unbi	-	-	29.139	29.621	30.176	0.390	-	-
post10k bias	-	-	29.048	30.162	30.972	0.835	-	-
post20k unbi	-	-	27.875	29.114	29.940	0.771	-	-
post20k bias	-	-	29.474	30.506	31.909	0.943	-	-
post30k unbi	-	-	26.963	28.353	29.296	0.961	-	-
post30k bias	-	-	27.862	28.872	29.803	0.903	-	-
post40k unbi	-	-	27.594	28.617	29.574	0.878	-	-
post40k bias	-	-	28.088	28.995	29.517	0.633	-	-



OSCILLATOR SAWTOOTH PEAK @ VIN35V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
3.3336	0	0	0	0	0	0	0	0	0
3.3387	0	0	0	0	0	0	0	0	0
3.3437	0	0	0	0	0	0	0	0	0
3.3488	2	0	0	1	1	0	0	0	0
3.3538	3	0	1	1	1	1	3	0	0
3.3589	12	2	1	2	0	3	0	3	0
3.3639	13	1	3	0	2	1	1	1	4
3.3689	7	1	0	1	0	0	1	1	2
3.3740	4	1	0	0	1	0	0	0	0
3.3790	0	0	0	0	0	0	0	0	0
3.3841	0	0	0	0	0	0	0	0	0
3.3891	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

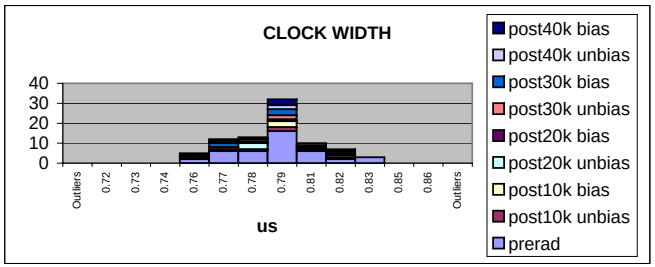
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	20.067	3	3.350	3.363	3.376	6.03E-03	3.59	12.553
post10k unbi	22.045	3	3.359	3.365	3.372	5.52E-03	3.59	13.558
post10k bias	35.592	3	3.356	3.361	3.365	3.38E-03	3.59	22.574
post20k unbi	16.318	3	3.349	3.358	3.369	7.30E-03	3.59	10.607
post20k bias	11.942	3	3.349	3.361	3.375	0.010	3.59	7.555
post30k unbi	42.895	3	3.356	3.359	3.363	2.79E-03	3.59	27.554
post30k bias	16.253	3	3.353	3.360	3.371	7.39E-03	3.59	10.369
post40k unbi	25.621	3	3.358	3.361	3.369	4.70E-03	3.59	16.216
post40k bias	32.366	3	3.362	3.365	3.369	3.76E-03	3.59	19.959



CLOCK WIDTH

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.72	0	0	0	0	0	0	0	0	0
0.73	0	0	0	0	0	0	0	0	0
0.74	0	0	0	0	0	0	0	0	0
0.76	2	0	1	0	1	0	0	0	1
0.77	6	0	0	0	1	1	2	1	1
0.78	6	1	0	3	1	0	0	1	1
0.79	16	2	3	1	0	2	3	2	3
0.81	6	1	0	0	1	1	0	1	0
0.82	2	1	1	1	1	1	0	0	0
0.83	3	0	0	0	0	0	0	0	0
0.85	0	0	0	0	0	0	0	0	0
0.86	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

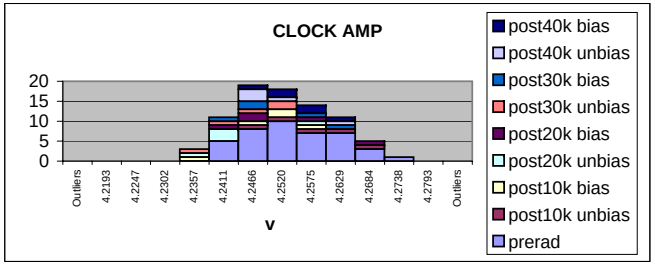
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	8.656	0.305	0.760	0.795	0.830	0.019	0.98	3.277
post10k unbi	10.001	0.305	0.780	0.798	0.820	0.016	0.98	3.692
post10k bias	7.440	0.305	0.760	0.794	0.820	0.022	0.98	2.830
post20k unbi	9.075	0.305	0.780	0.792	0.820	0.018	0.98	3.503
post20k bias	6.220	0.305	0.760	0.788	0.820	0.026	0.98	2.473
post30k unbi	8.543	0.305	0.770	0.798	0.820	0.019	0.98	3.154
post30k bias	10.572	0.305	0.770	0.786	0.800	0.015	0.98	4.264
post40k unbi	9.879	0.305	0.770	0.792	0.810	0.016	0.98	3.814
post40k bias	8.187	0.305	0.750	0.782	0.800	0.019	0.98	3.406



CLOCK AMP

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
4.2193	0	0	0	0	0	0	0	0	0
4.2247	0	0	0	0	0	0	0	0	0
4.2302	0	0	0	0	0	0	0	0	0
4.2357	0	0	1	1	0	1	0	0	0
4.2411	5	0	0	3	1	1	1	0	0
4.2466	8	1	1	0	2	1	2	3	1
4.2520	10	1	2	0	0	2	0	1	2
4.2575	7	1	1	1	1	0	1	0	2
4.2629	7	1	0	0	0	0	1	1	1
4.2684	3	1	0	0	1	0	0	0	0
4.2738	1	0	0	0	0	0	0	0	0
4.2793	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

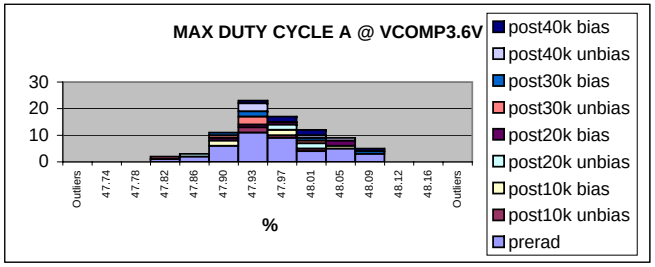
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	49.126	3.01	4.240	4.254	4.273	8.44E-03	4.99	29.056
post10k unbi	51.918	3.01	4.246	4.257	4.266	8.01E-03	4.99	30.510
post10k bias	50.013	3.01	4.236	4.249	4.257	8.26E-03	4.99	29.925
post20k unbi	44.957	3.01	4.238	4.244	4.260	9.15E-03	4.99	27.177
post20k bias	41.986	3.01	4.241	4.252	4.266	9.86E-03	4.99	24.927
post30k unbi	63.880	3.01	4.237	4.246	4.254	6.45E-03	4.99	38.439
post30k bias	51.191	3.01	4.242	4.251	4.263	8.08E-03	4.99	30.492
post40k unbi	51.037	3.01	4.245	4.251	4.265	8.11E-03	4.99	30.379
post40k bias	75.971	3.01	4.249	4.255	4.262	5.46E-03	4.99	44.805



MAX DUTY CYCLE A @ VCOMP3.6V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
47.74	0	0	0	0	0	0	0	0	0
47.78	0	0	0	0	0	0	0	0	0
47.82	1	1	0	0	0	0	0	0	0
47.86	2	0	0	1	0	0	0	0	0
47.90	6	0	2	0	1	1	1	0	0
47.93	11	2	0	0	1	3	2	3	1
47.97	9	1	2	2	1	0	0	0	2
48.01	4	1	0	2	0	1	1	1	2
48.05	5	0	1	0	2	0	0	1	0
48.09	3	0	0	0	0	0	1	0	1
48.12	0	0	0	0	0	0	0	0	0
48.16	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

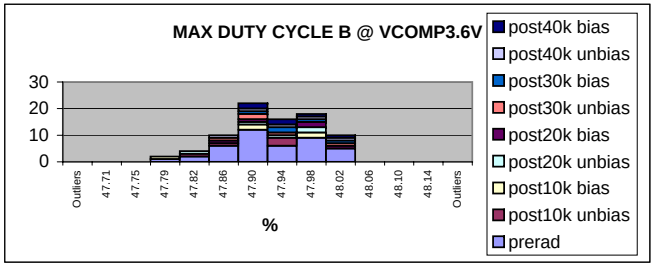
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	15.156	45.1	47.824	47.963	48.097	0.063	49.9	10.254
post10k unbi	13.856	45.1	47.825	47.928	48.006	0.068	49.9	9.658
post10k bias	16.616	45.1	47.879	47.948	48.031	0.057	49.9	11.393
post20k unbi	15.098	45.1	47.851	47.960	48.005	0.063	49.9	10.244
post20k bias	15.667	45.1	47.914	47.976	48.040	0.061	49.9	10.479
post30k unbi	19.205	45.1	47.887	47.941	48.020	0.049	49.9	13.241
post30k bias	14.156	45.1	47.903	47.978	48.069	0.068	49.9	9.456
post40k unbi	17.816	45.1	47.922	47.973	48.036	0.054	49.9	11.945
post40k bias	18.250	45.1	47.928	47.989	48.076	0.053	49.9	12.077



MAX DUTY CYCLE B @ VCOMP3.6V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
47.71	0	0	0	0	0	0	0	0	0
47.75	0	0	0	0	0	0	0	0	0
47.79	1	0	1	0	0	0	0	0	0
47.82	2	1	0	1	0	0	0	0	0
47.86	6	1	0	0	1	1	0	1	0
47.90	12	0	2	1	1	2	1	1	2
47.94	6	3	0	1	0	1	2	1	2
47.98	9	0	2	2	2	0	1	1	1
48.02	5	0	0	0	1	1	1	1	1
48.06	0	0	0	0	0	0	0	0	0
48.10	0	0	0	0	0	0	0	0	0
48.14	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

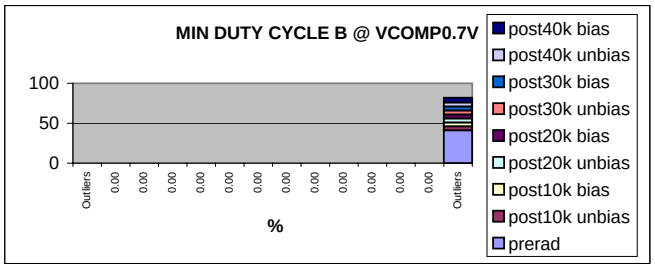
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	16.367	45.1	47.805	47.927	48.035	0.058	49.9	11.427
post10k unbi	18.473	45.1	47.826	47.902	47.951	0.051	49.9	13.172
post10k bias	12.336	45.1	47.799	47.917	47.991	0.076	49.9	8.686
post20k unbi	13.048	45.1	47.811	47.925	47.987	0.072	49.9	9.122
post20k bias	13.837	45.1	47.854	47.949	48.020	0.069	49.9	9.475
post30k unbi	17.725	45.1	47.869	47.919	48.001	0.053	49.9	12.459
post30k bias	23.060	45.1	47.900	47.947	48.007	0.041	49.9	15.825
post40k unbi	16.453	45.1	47.860	47.934	48.005	0.057	49.9	11.414
post40k bias	20.610	45.1	47.917	47.959	48.035	0.046	49.9	13.988



MIN DUTY CYCLE B @ VCOMP0.7V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
Outliers	41	5	5	5	5	5	5	5	6

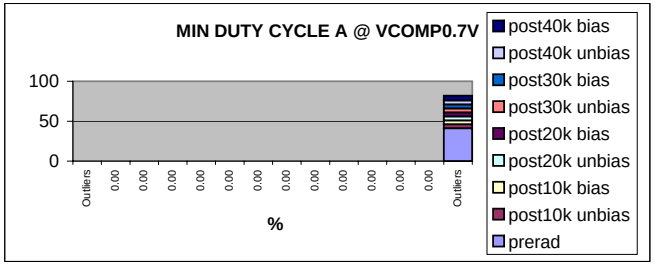
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post10k unbi	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post10k bias	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post20k unbi	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post20k bias	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post30k unbi	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post30k bias	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post40k unbi	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post40k bias	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite



MIN DUTY CYCLE A @ VCOMP0.7V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0
Outliers	41	5	5	5	5	5	5	5	6

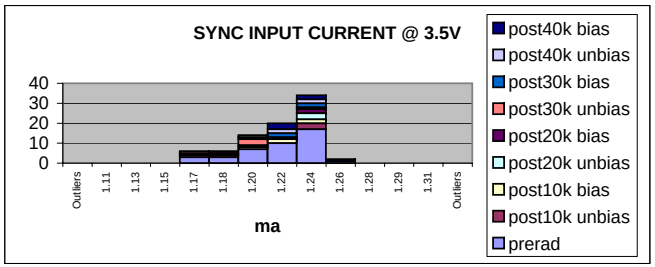
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post10k unbi	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post10k bias	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post20k unbi	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post20k bias	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post30k unbi	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post30k bias	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post40k unbi	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite
post40k bias	Infinite	0	0.000	0.000	0.000	0.00E+00	0.0001	Infinite



SYNC INPUT CURRENT @ 3.5V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
1.11	0	0	0	0	0	0	0	0	0
1.13	0	0	0	0	0	0	0	0	0
1.15	0	0	0	0	0	0	0	0	0
1.17	3	1	1	0	0	1	0	0	0
1.18	3	1	0	1	1	0	0	0	0
1.20	7	0	0	1	1	3	1	1	0
1.22	10	0	2	0	1	0	2	2	3
1.24	17	3	2	3	2	1	2	2	2
1.26	1	0	0	0	0	0	0	0	1
1.28	0	0	0	0	0	0	0	0	0
1.29	0	0	0	0	0	0	0	0	0
1.31	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

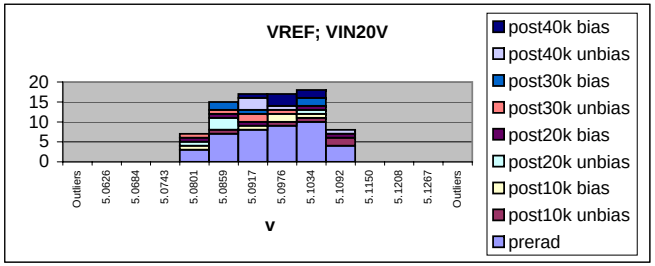
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	16.775	0.01	1.161	1.219	1.252	0.024	2.49	17.630
post10k unbi	10.919	0.01	1.163	1.211	1.243	0.037	2.49	11.622
post10k bias	13.010	0.01	1.163	1.215	1.239	0.031	2.49	13.760
post20k unbi	13.453	0.01	1.179	1.223	1.248	0.030	2.49	14.055
post20k bias	16.931	0.01	1.181	1.213	1.235	0.024	2.49	17.966
post30k unbi	15.518	0.01	1.169	1.205	1.241	0.026	2.49	16.679
post30k bias	31.364	0.01	1.201	1.223	1.235	0.013	2.49	32.782
post40k unbi	27.203	0.01	1.200	1.223	1.239	0.015	2.49	28.400
post40k bias	36.703	0.01	1.221	1.233	1.251	0.011	2.49	37.729



VREF; VIN20V

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
5.0626	0	0	0	0	0	0	0	0	0
5.0684	0	0	0	0	0	0	0	0	0
5.0743	0	0	0	0	0	0	0	0	0
5.0801	3	0	1	1	1	1	0	0	0
5.0859	7	1	0	3	1	1	2	0	0
5.0917	8	0	1	0	1	2	1	3	1
5.0976	9	1	2	0	0	1	0	1	3
5.1034	10	1	1	1	1	0	2	0	2
5.1092	4	2	0	0	1	0	0	1	0
5.1150	0	0	0	0	0	0	0	0	0
5.1208	0	0	0	0	0	0	0	0	0
5.1267	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

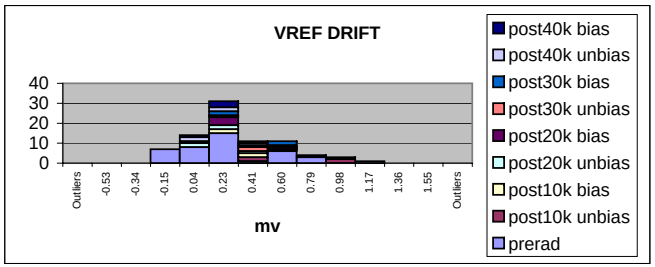
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	1.254	5.064	5.081	5.096	5.111	8.47E-03	5.136	1.580
post10k unbi	1.388	5.064	5.089	5.102	5.110	9.03E-03	5.136	1.270
post10k bias	1.202	5.064	5.081	5.095	5.102	8.66E-03	5.136	1.568
post20k unbi	0.906	5.064	5.082	5.088	5.104	8.87E-03	5.136	1.799
post20k bias	0.877	5.064	5.082	5.095	5.110	0.012	5.136	1.184
post30k unbi	1.342	5.064	5.080	5.090	5.097	6.49E-03	5.136	2.358
post30k bias	1.206	5.064	5.084	5.094	5.103	8.24E-03	5.136	1.706
post40k unbi	1.585	5.064	5.090	5.095	5.107	6.60E-03	5.136	2.050
post40k bias	2.598	5.064	5.094	5.099	5.106	4.49E-03	5.136	2.744



VREF DRIFT

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
-0.53	0	0	0	0	0	0	0	0	0
-0.34	0	0	0	0	0	0	0	0	0
-0.15	7	0	0	0	0	0	0	0	0
0.04	8	0	0	2	0	1	0	2	1
0.23	15	0	2	2	4	1	2	2	3
0.41	1	2	2	1	0	2	1	1	1
0.60	6	1	0	0	1	1	2	0	0
0.79	3	0	0	0	0	0	0	0	1
0.98	0	2	1	0	0	0	0	0	0
1.17	1	0	0	0	0	0	0	0	0
1.36	0	0	0	0	0	0	0	0	0
1.55	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

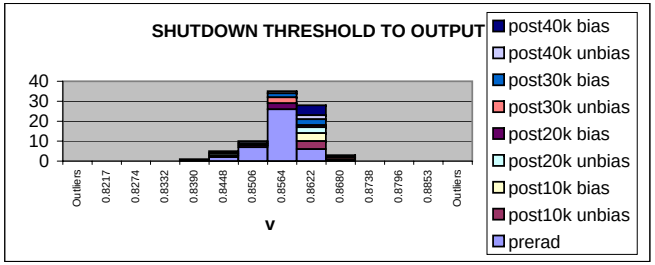
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	27.942	-24	-0.113	0.245	1.137	0.289	24	27.378
post10k unbi	25.254	-24	0.326	0.665	1.045	0.326	24	23.893
post10k bias	25.976	-24	0.206	0.436	0.969	0.314	24	25.050
post20k unbi	39.922	-24	-0.056	0.185	0.434	0.202	24	39.313
post20k bias	57.605	-24	0.211	0.307	0.554	0.141	24	56.151
post30k unbi	38.643	-24	-0.041	0.292	0.525	0.210	24	37.713
post30k bias	58.522	-24	0.258	0.426	0.563	0.139	24	56.480
post40k unbi	57.678	-24	0.097	0.220	0.440	0.140	24	56.629
post40k bias	33.773	-24	0.097	0.296	0.746	0.240	24	32.950



SHUTDOWN THRESHOLD TO OUTPUT A

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.8217	0	0	0	0	0	0	0	0	0
0.8274	0	0	0	0	0	0	0	0	0
0.8332	0	0	0	0	0	0	0	0	0
0.8390	0	0	0	1	0	0	0	0	0
0.8448	2	1	0	1	0	0	0	0	1
0.8506	7	0	0	0	1	1	0	1	0
0.8564	26	0	0	0	3	3	2	1	0
0.8622	6	4	4	3	1	0	3	2	5
0.8680	0	0	1	0	0	1	0	1	0
0.8738	0	0	0	0	0	0	0	0	0
0.8796	0	0	0	0	0	0	0	0	0
0.8853	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

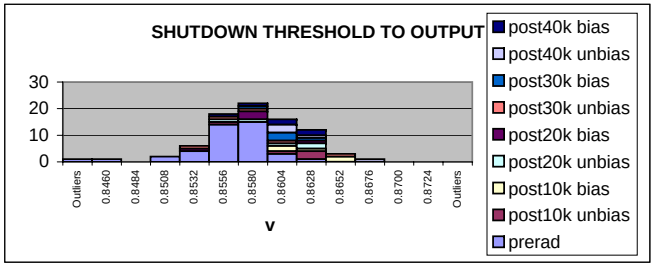
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	23.121	0.62	0.846	0.856	0.862	3.40E-03	0.98	12.193
post10k unbi	10.794	0.62	0.846	0.859	0.865	7.38E-03	0.98	5.472
post10k bias	39.584	0.62	0.860	0.863	0.865	2.04E-03	0.98	19.180
post20k unbi	6.721	0.62	0.839	0.854	0.863	0.012	0.98	3.641
post20k bias	25.022	0.62	0.852	0.857	0.860	3.16E-03	0.98	12.929
post30k unbi	14.343	0.62	0.851	0.858	0.866	5.53E-03	0.98	7.356
post30k bias	28.320	0.62	0.857	0.860	0.864	2.82E-03	0.98	14.213
post40k unbi	12.906	0.62	0.850	0.860	0.867	6.20E-03	0.98	6.450
post40k bias	11.608	0.62	0.845	0.859	0.863	6.86E-03	0.98	5.888



SHUTDOWN THRESHOLD TO OUTPUT B

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	1	0	0	0	0	0	0	0	0
0.8460	1	0	0	0	0	0	0	0	0
0.8484	0	0	0	0	0	0	0	0	0
0.8508	2	0	0	0	0	0	0	0	0
0.8532	4	0	0	0	1	1	0	0	0
0.8556	14	1	0	1	0	1	0	0	1
0.8580	15	0	0	1	3	1	1	0	1
0.8604	3	1	2	1	0	1	3	3	2
0.8628	1	3	1	2	1	0	1	1	2
0.8652	0	0	2	0	0	1	0	0	0
0.8676	0	0	0	0	0	0	0	1	0
0.8700	0	0	0	0	0	0	0	0	0
0.8724	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

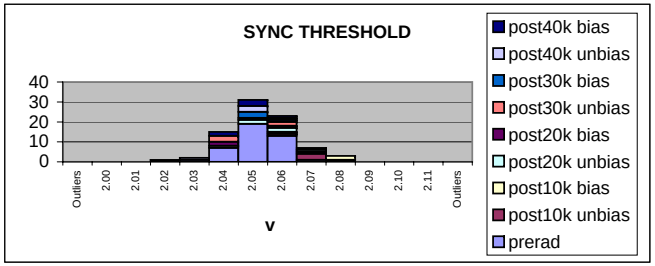
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	21.908	0.62	0.844	0.856	0.862	3.59E-03	0.98	11.514
post10k unbi	23.765	0.62	0.856	0.861	0.864	3.38E-03	0.98	11.740
post10k bias	42.404	0.62	0.862	0.863	0.866	1.91E-03	0.98	20.381
post20k unbi	31.279	0.62	0.857	0.860	0.863	2.55E-03	0.98	15.698
post20k bias	25.671	0.62	0.853	0.858	0.862	3.08E-03	0.98	13.238
post30k unbi	16.557	0.62	0.854	0.859	0.866	4.82E-03	0.98	8.362
post30k bias	33.188	0.62	0.857	0.860	0.864	2.41E-03	0.98	16.540
post40k unbi	26.116	0.62	0.859	0.862	0.867	3.09E-03	0.98	12.721
post40k bias	32.320	0.62	0.856	0.860	0.863	2.47E-03	0.98	16.197



SYNC THRESHOLD

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
2.00	0	0	0	0	0	0	0	0	0
2.01	0	0	0	0	0	0	0	0	0
2.02	0	0	0	0	0	0	1	0	0
2.03	1	0	0	0	0	0	0	1	0
2.04	7	0	1	0	2	3	0	0	2
2.05	19	0	0	2	1	0	3	3	3
2.06	13	1	1	2	1	2	1	1	1
2.07	1	3	1	1	1	0	0	0	0
2.08	0	1	2	0	0	0	0	0	0
2.09	0	0	0	0	0	0	0	0	0
2.10	0	0	0	0	0	0	0	0	0
2.11	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

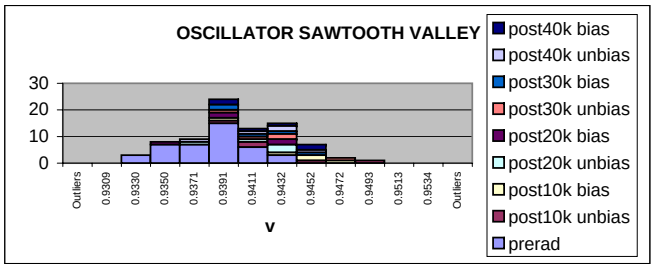
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	35.316	1.21	2.035	2.054	2.070	7.96E-03	2.79	30.832
post10k unbi	41.408	1.21	2.065	2.073	2.082	6.95E-03	2.79	34.396
post10k bias	16.428	1.21	2.038	2.067	2.082	0.017	2.79	13.847
post20k unbi	37.830	1.21	2.048	2.059	2.068	7.48E-03	2.79	32.605
post20k bias	27.000	1.21	2.046	2.055	2.068	0.010	2.79	23.511
post30k unbi	23.515	1.21	2.038	2.050	2.066	0.012	2.79	20.735
post30k bias	15.492	1.21	2.019	2.049	2.067	0.018	2.79	13.688
post40k unbi	22.601	1.21	2.029	2.050	2.061	0.012	2.79	19.903
post40k bias	36.611	1.21	2.038	2.050	2.058	7.65E-03	2.79	32.246



OSCILLATOR SAWTOOTH VALLEY

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
0.9309	0	0	0	0	0	0	0	0	0
0.9330	3	0	0	0	0	0	0	0	0
0.9350	7	0	0	0	1	0	0	0	0
0.9371	7	0	0	1	0	0	0	1	0
0.9391	15	1	1	0	2	1	2	0	2
0.9411	6	2	0	1	0	1	1	1	1
0.9432	3	0	1	3	2	2	1	2	1
0.9452	0	1	2	0	0	0	1	1	2
0.9472	0	0	1	0	0	1	0	0	0
0.9493	0	1	0	0	0	0	0	0	0
0.9513	0	0	0	0	0	0	0	0	0
0.9534	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

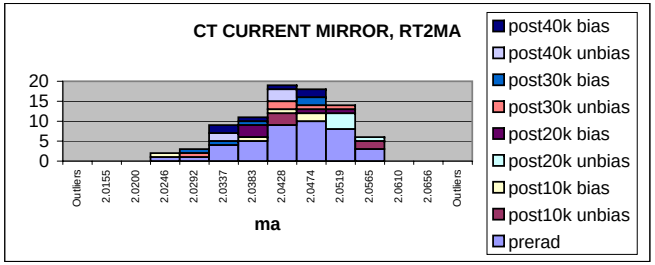
	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	38.204	0.62	0.932	0.938	0.944	2.78E-03	2	127.455
post10k unbi	28.582	0.62	0.939	0.943	0.948	3.77E-03	2	93.502
post10k bias	33.332	0.62	0.939	0.944	0.948	3.24E-03	2	108.708
post20k unbi	45.255	0.62	0.938	0.942	0.943	2.37E-03	2	148.923
post20k bias	33.435	0.62	0.935	0.940	0.943	3.19E-03	2	110.844
post30k unbi	40.784	0.62	0.939	0.943	0.947	2.64E-03	2	133.516
post30k bias	42.057	0.62	0.938	0.941	0.944	2.54E-03	2	138.885
post40k unbi	33.041	0.62	0.937	0.942	0.945	3.25E-03	2	108.467
post40k bias	37.540	0.62	0.940	0.943	0.946	2.86E-03	2	123.070



CT CURRENT MIRROR, RT2MA

Bin	prerad	post10k unbia	post10k bias	post20k unbia	post20k bias	post30k unbia	post30k bias	post40k unbia	post40k bias
Outliers	0	0	0	0	0	0	0	0	0
2.0155	0	0	0	0	0	0	0	0	0
2.0200	0	0	0	0	0	0	0	0	0
2.0246	1	0	1	0	0	0	0	0	0
2.0292	1	0	0	0	0	1	1	0	0
2.0337	4	0	0	0	0	0	1	2	2
2.0383	5	0	1	0	3	0	1	0	1
2.0428	9	3	1	0	0	2	0	3	1
2.0474	10	0	2	0	1	1	2	0	2
2.0519	8	0	0	4	1	1	0	0	0
2.0565	3	2	0	1	0	0	0	0	0
2.0610	0	0	0	0	0	0	0	0	0
2.0656	0	0	0	0	0	0	0	0	0
Outliers	0	0	0	0	0	0	0	0	0

	Cpk(LL)	LL	Min	Avg	Max	Sigma	UL	Cpk(UL)
prerad	14.645	1.72	2.026	2.045	2.058	7.39E-03	2.18	6.102
post10k unbi	16.962	1.72	2.043	2.048	2.056	6.45E-03	2.18	6.803
post10k bias	11.729	1.72	2.026	2.041	2.048	9.11E-03	2.18	5.103
post20k unbi	45.519	1.72	2.050	2.052	2.056	2.43E-03	2.18	17.485
post20k bias	18.441	1.72	2.038	2.043	2.052	5.83E-03	2.18	7.838
post30k unbi	12.591	1.72	2.027	2.042	2.050	8.52E-03	2.18	5.396
post30k bias	13.066	1.72	2.031	2.040	2.049	8.15E-03	2.18	5.741
post40k unbi	20.175	1.72	2.032	2.039	2.044	5.27E-03	2.18	8.905
post40k bias	14.618	1.72	2.032	2.041	2.049	7.32E-03	2.18	6.331



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