ANALOG DEVICES

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HIGH DOSE RADIATION TEST REPORT AD585S

June 2019

Generic

Radiation Test Report	
Product:	AD585S
Gamma:	0, 30k, 50k, 100k, 24hr
Gamma Source:	Co60/TM1019 Condition A
Dose Rate:	145 Rad(si)/s
Facilities:	VPT RAD
Tested:	6/27/19

The RADTEST® DATA SERVICE is a compilation of radiation test results on Analog Devices' Space grade products. It is designed to assist customers in selecting the right product for applications where radiation is a consideration. Many products manufactured by Analog Devices, Inc. have been shown to be radiation tolerant to most tactical radiation environments. Analog Devices, Inc. does not make any claim to maintain or guarantee these levels of radiation tolerance without lot qualification test.

It is the responsibility of the Procuring Activity to screen products from Analog Devices, Inc. for compliance to Nuclear Hardness Critical Items (HCI) specifications.

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		+Isy_Vsy=+-15V (A)				
		0k	30k	50k	100k	A1
Control	SN5	0.00875	0.00875	0.00875	0.00875	0.00875
	SN23	0.00865	0.00865	0.00865	0.00865	0.00865
19	SN1	0.00870	0.00869	0.00866	0.00865	0.00866
	SN2	0.00865	0.00864	0.00860	0.00858	0.00858
	SN3	0.00874	0.00872	0.00871	0.00868	0.00865
	SN6	0.00889	0.00886	0.00887	0.00886	0.00883
21	SN15	0.00865	0.00861	0.00864	0.00863	0.00858
	SN16	0.00895	0.00890	0.00892	0.00891	0.00886
	SN18	0.00861	0.00858	0.00859	0.00858	0.00853
	SN20	0.00865	0.00860	0.00863	0.00861	0.00856
	MIN	0.00861	0.00858	0.00859	0.00858	0.00853
	MAX	0.00895	0.00890	0.00892	0.00891	0.00886
	MEAN	0.00873	0.00870	0.00870	0.00869	0.00866
	STD DEV. (σ)	0.00007	0.00007	0.00007	0.00007	0.00007
	-3 Sigma	0.00852	0.00848	0.00849	0.00848	0.00844
	+3 Sigma	0.00894	0.00892	0.00892	0.00890	0.00888

		-Isy_Vsy=+-15V (A)				
		0k	30k	50k	100k	A1
Control	SN5	-0.00873	-0.00873	-0.00873	-0.00872	-0.00873
	SN23	-0.00862	-0.00862	-0.00862	-0.00862	-0.00862
19	SN1	-0.00868	-0.00866	-0.00864	-0.00863	-0.00864
	SN2	-0.00863	-0.00862	-0.00857	-0.00856	-0.00856
	SN3	-0.00871	-0.00870	-0.00869	-0.00865	-0.00863
	SN6	-0.00887	-0.00883	-0.00885	-0.00884	-0.00880
21	SN15	-0.00863	-0.00858	-0.00861	-0.00860	-0.00855
	SN16	-0.00893	-0.00887	-0.00890	-0.00888	-0.00883
	SN18	-0.00859	-0.00855	-0.00856	-0.00855	-0.00851
	SN20	-0.00863	-0.00857	-0.00860	-0.00859	-0.00854
	MIN	-0.00893	-0.00887	-0.00890	-0.00888	-0.00883
	MAX	-0.00859	-0.00855	-0.00856	-0.00855	-0.00851
	MEAN	-0.00871	-0.00867	-0.00868	-0.00866	-0.00863
	STD DEV. (σ)	0.00010	0.00010	0.00011	0.00011	0.00010
	-3 Sigma	-0.00902	-0.00896	-0.00899	-0.00898	-0.00893
	+3 Sigma	-0.00840	-0.00838	-0.00836	-0.00834	-0.00833

	VOS_Vsy=+-15V_RL=No_Load (V)					
		0k	30k	50k	100k	A1
Control	SN5	0.00211	0.00210	0.00209	0.00209	0.00209
	SN23	0.00119	0.00119	0.00120	0.00119	0.00120
19	SN1	0.00174	0.00242	0.00285	0.00421	0.00328
	SN2	-0.00031	-0.00015	-0.00006	0.00029	0.00031
	SN3	0.00115	0.00214	0.00280	0.00514	0.00367
	SN6	0.00250	0.00355	0.00397	0.00574	0.00489
21	SN15	-0.00052	-0.00034	-0.00026	0.00023	0.00028
	SN16	0.00248	0.00310	0.00337	0.00466	0.00321
	SN18	0.00176	0.00195	0.00196	0.00233	0.00201
	SN20	0.00032	0.00072	0.00087	0.00154	0.00177
	MIN	-0.00052	-0.00034	-0.00026	0.00023	0.00028
	MAX	0.00250	0.00355	0.00397	0.00574	0.00489
	MEAN	0.00114	0.00167	0.00194	0.00302	0.00243
	STD DEV. (σ)	0.00089	0.00109	0.00119	0.00160	0.00118
	-3 Sigma	-0.00153	-0.00159	-0.00164	-0.00178	-0.00111
	+3 Sigma	0.00380	0.00494	0.00551	0.00782	0.00596

	Ibias_Vsy=+-15V_VIN=0_Gain=1 (A)					
		0k	30k	50k	100k	A1
Control	SN5	-4.200E-11	-5.200E-11	-5.410E-11	-5.440E-11	-5.360E-11
	SN23	-5.260E-11	-5.270E-11	-5.220E-11	-5.450E-11	-5.130E-11
19	SN1	-3.890E-11	-7.500E-11	-1.337E-10	-3.171E-10	-2.150E-10
	SN2	-4.370E-11	-6.590E-11	-1.253E-10	-3.150E-10	-2.746E-10
	SN3	-5.120E-11	-1.216E-10	-1.776E-10	-5.021E-10	-3.856E-10
	SN6	-4.740E-11	-9.450E-11	-1.119E-10	-2.256E-10	-2.600E-10
21	SN15	-4.270E-11	-7.800E-11	-8.340E-11	-1.696E-10	-2.765E-10
	SN16	-5.050E-11	-1.028E-10	-1.124E-10	-2.433E-10	-3.372E-10
	SN18	-5.150E-11	-7.990E-11	-9.910E-11	-2.055E-10	-3.029E-10
	SN20	-4.290E-11	-1.000E-10	-1.025E-10	-2.031E-10	-3.195E-10
	MIN	-5.150E-11	-1.216E-10	-1.776E-10	-5.021E-10	-3.856E-10
	MAX	-3.890E-11	-6.590E-11	-8.340E-11	-1.696E-10	-2.150E-10
	MEAN	-4.610E-11	-8.971E-11	-1.182E-10	-2.727E-10	-2.964E-10
	STD DEV. (σ)	3.300E-12	1.372E-11	2.334E-11	8.977E-11	3.816E-11
	-3 Sigma	-5.600E-11	-1.309E-10	-1.883E-10	-5.420E-10	-4.109E-10
	+3 Sigma	-3.620E-11	-4.857E-11	-4.822E-11	-3.357E-12	-1.819E-10

	Resistor Mismatch (%)					
		0k	30k	50k	100k	A1
Control	SN5	0.00576	0.00478	0.00468	0.00459	0.00626
	SN23	0.05319	0.05343	0.05037	0.05132	0.05238
19	SN1	-0.04442	-0.04755	-0.04691	-0.04903	-0.05324
	SN2	-0.03352	-0.03396	-0.03277	-0.03408	-0.03600
	SN3	-0.00700	-0.00974	-0.01182	-0.01235	-0.01883
	SN6	-0.04598	-0.04835	-0.04968	-0.04990	-0.05606
21	SN15	0.04704	0.04497	0.04582	0.04415	0.04113
	SN16	0.02771	0.02726	0.02850	0.02655	0.02038
	SN18	0.07346	0.07259	0.07329	0.07632	0.06926
	SN20	0.08445	0.08438	0.08247	0.08194	0.07731
	MIN	-0.04598	-0.04835	-0.04968	-0.04990	-0.05606
	MAX	0.08445	0.08438	0.08247	0.08194	0.07731
	MEAN	0.01272	0.01120	0.01111	0.01045	0.00549
	STD DEV. (σ)	0.03633	0.03679	0.03687	0.03719	0.03694
	-3 Sigma	-0.09626	-0.09918	-0.09949	-0.10113	-0.10533
	+3 Sigma	0.12169	0.12158	0.12171	0.12203	0.11631

	VLREF_Vsy=+-15V_50uALoad (V)					
		0k	30k	50k	100k	A1
Control	SN5	1.31906	1.32143	1.31923	1.31841	1.32135
	SN23	1.31311	1.31471	1.31360	1.31278	1.31244
19	SN1	1.32275	1.31880	1.30039	1.29597	1.30673
	SN2	1.32230	1.31902	1.28961	1.28370	1.28530
	SN3	1.32322	1.32030	1.31886	1.29847	1.28503
	SN6	1.32183	1.29954	1.31857	1.31864	1.29502
21	SN15	1.32105	1.29000	1.31833	1.31940	1.28304
	SN16	1.31544	1.28858	1.31342	1.31467	1.27717
	SN18	1.31906	1.30235	1.31649	1.31808	1.28281
	SN20	1.31907	1.28570	1.31688	1.31821	1.28135
	MIN	1.31544	1.28570	1.28961	1.28370	1.27717
	MAX	1.32322	1.32030	1.31886	1.31940	1.30673
	MEAN	1.32059	1.30304	1.31157	1.30839	1.28706
	STD DEV. (σ)	0.00211	0.00994	0.00931	0.01110	0.00495
	-3 Sigma	1.31426	1.27320	1.28363	1.27509	1.27220
	+3 Sigma	1.32692	1.33287	1.33951	1.34169	1.30191

		IIL HOLD_Vsy=+-18V (A)				
		0k	30k	50k	100k	A1
Control	SN5	6.514E-06	6.899E-06	6.825E-06	6.899E-06	6.740E-06
	SN23	5.572E-06	5.645E-06	5.645E-06	5.719E-06	5.560E-06
19	SN1	6.661E-06	8.926E-06	9.848E-06	1.169E-05	1.367E-05
	SN2	6.440E-06	8.521E-06	9.184E-06	1.084E-05	1.264E-05
	SN3	6.735E-06	9.221E-06	1.040E-05	1.228E-05	1.385E-05
	SN6	6.403E-06	8.042E-06	9.111E-06	1.055E-05	1.150E-05
21	SN15	5.629E-06	7.157E-06	8.226E-06	9.737E-06	1.054E-05
	SN16	5.445E-06	7.378E-06	8.816E-06	1.081E-05	1.208E-05
	SN18	5.555E-06	7.157E-06	8.152E-06	9.700E-06	1.083E-05
	SN20	5.629E-06	7.083E-06	8.336E-06	9.995E-06	1.113E-05
	MIN	5.445E-06	7.083E-06	8.152E-06	9.700E-06	1.054E-05
	MAX	6.735E-06	9.221E-06	1.040E-05	1.228E-05	1.385E-05
	MEAN	6.062E-06	7.935E-06	9.009E-06	1.070E-05	1.203E-05
	STD DEV. (σ)	3.805E-07	5.670E-07	5.125E-07	5.913E-07	8.252E-07
	-3 Sigma	4.921E-06	6.234E-06	7.472E-06	8.926E-06	9.554E-06
	+3 Sigma	7.204E-06	9.637E-06	1.055E-05	1.247E-05	1.451E-05

		IIL HOLDB_Vsy=+-18V (A)				
		0k	30k	50k	100k	A1
Control	SN5	7.16E-06	7.57E-06	7.35E-06	7.50E-06	7.53E-06
	SN23	6.24E-06	6.28E-06	6.17E-06	6.28E-06	6.20E-06
19	SN1	7.38E-06	9.27E-06	9.68E-06	1.13E-05	1.32E-05
	SN2	7.05E-06	8.90E-06	9.16E-06	1.07E-05	1.22E-05
	SN3	7.38E-06	9.31E-06	1.01E-05	1.14E-05	1.29E-05
	SN6	6.97E-06	8.31E-06	9.12E-06	1.03E-05	1.07E-05
21	SN15	6.23E-06	7.42E-06	8.38E-06	9.60E-06	9.94E-06
	SN16	6.09E-06	7.53E-06	8.57E-06	1.02E-05	1.13E-05
	SN18	6.01E-06	7.61E-06	8.31E-06	9.75E-06	1.06E-05
	SN20	6.05E-06	7.39E-06	8.46E-06	9.94E-06	1.06E-05
	MIN	6.01E-06	7.39E-06	8.31E-06	9.60E-06	9.94E-06
	MAX	7.38E-06	9.31E-06	1.01E-05	1.14E-05	1.32E-05
	MEAN	6.64E-06	8.22E-06	8.97E-06	1.04E-05	1.14E-05
	STD DEV. (σ)	4.21E-07	5.56E-07	4.15E-07	4.36E-07	7.62E-07
	-3 Sigma	5.38E-06	6.55E-06	7.73E-06	9.09E-06	9.13E-06
	+3 Sigma	7.91E-06	9.89E-06	1.02E-05	1.17E-05	1.37E-05

	VIH_Vsy=+-15V_VHOLDB=2V_VIN=10V (V)					
		0k	30k	50k	100k	A1
Control	SN5	9.99917	9.99916	9.99916	9.99920	9.99914
	SN23	9.99783	9.99776	9.99778	9.99778	9.99773
19	SN1	9.99883	9.99942	9.99981	10.00126	10.00038
	SN2	9.99653	9.99661	9.99665	9.99700	9.99674
	SN3	9.99805	9.99901	9.99965	10.00205	10.00059
	SN6	9.99942	10.00033	10.00086	10.00271	10.00166
21	SN15	9.99629	9.99648	9.99659	9.99715	9.99707
	SN16	9.99923	9.99978	10.00005	10.00146	9.99950
	SN18	9.99852	9.99876	9.99876	9.99915	9.99856
	SN20	9.99710	9.99752	9.99772	9.99842	9.99853
	MIN	9.99629	9.99648	9.99659	9.99700	9.99674
	MAX	9.99942	10.00033	10.00086	10.00271	10.00166
	MEAN	9.99800	9.99849	9.99876	9.99990	9.99913
	STD DEV. (σ)	0.00088	0.00108	0.00120	0.00161	0.00118
	-3 Sigma	-19.99457	-19.99514	-19.99542	-19.99699	-19.99573
	+3 Sigma	39.99341	39.99580	39.99714	40.00241	39.99905

	VIH_Vsy=+-15V_VHOLD=0.8V_VIN=0V (V)					
		0k	30k	50k	100k	A1
Control	SN5	0.00205	0.00205	0.00204	0.00204	0.00205
	SN23	0.00116	0.00115	0.00116	0.00116	0.00116
19	SN1	0.00174	0.00247	0.00290	0.00426	0.00332
	SN2	-0.00019	-0.00003	0.00004	0.00037	0.00039
	SN3	0.00112	0.00218	0.00285	0.00523	0.00369
	SN6	0.00262	0.00368	0.00416	0.00595	0.00502
21	SN15	-0.00052	-0.00032	-0.00025	0.00023	0.00028
	SN16	0.00248	0.00311	0.00339	0.00468	0.00320
	SN18	0.00176	0.00195	0.00196	0.00230	0.00198
	SN20	0.00035	0.00076	0.00093	0.00161	0.00181
	MIN	-0.00052	-0.00032	-0.00025	0.00023	0.00028
	MAX	0.00262	0.00368	0.00416	0.00595	0.00502
	MEAN	0.00117	0.00173	0.00200	0.00308	0.00246
	STD DEV. (σ)	0.00088	0.00108	0.00120	0.00161	0.00118
	-3 Sigma	-0.00146	-0.00152	-0.00159	-0.00176	-0.00107
	+3 Sigma	0.00380	0.00497	0.00559	0.00792	0.00599

	VIH_Vsy=+-15V_VHOLDB=2V_VIN=0V (V)					
		0k	30k	50k	100k	A1
Control	SN5	0.00207	0.00206	0.00205	0.00206	0.00205
	SN23	0.00117	0.00116	0.00116	0.00116	0.00117
19	SN1	0.00174	0.00247	0.00287	0.00425	0.00332
	SN2	-0.00020	-0.00004	0.00004	0.00035	0.00039
	SN3	0.00113	0.00217	0.00285	0.00520	0.00369
	SN6	0.00260	0.00367	0.00414	0.00593	0.00501
21	SN15	-0.00052	-0.00032	-0.00025	0.00025	0.00029
	SN16	0.00248	0.00310	0.00339	0.00468	0.00321
	SN18	0.00176	0.00194	0.00195	0.00231	0.00199
	SN20	0.00035	0.00075	0.00092	0.00159	0.00181
	MIN	-0.00052	-0.00032	-0.00025	0.00025	0.00029
	MAX	0.00260	0.00367	0.00414	0.00593	0.00501
	MEAN	0.00117	0.00172	0.00199	0.00307	0.00246
	STD DEV. (σ)	0.00088	0.00108	0.00120	0.00161	0.00118
	-3 Sigma	-0.00090	-0.00148	-0.00183	-0.00328	-0.00238
	+3 Sigma	0.00610	0.00882	0.01011	0.01514	0.01240

	VIH_Vsy=+-15V_VHOLD=2V_VIN=0V (V)					
		0k	30k	50k	100k	A1
Control	SN5	10.06829	10.06997	10.06795	10.06931	10.06856
	SN23	10.06522	10.06175	10.06331	10.06237	10.06328
19	SN1	10.06906	10.59530	11.39081	13.29938	11.40763
	SN2	10.09968	10.42889	11.15449	12.95745	11.66891
	SN3	10.08680	10.67387	11.23253	13.30617	12.07617
	SN6	10.07106	10.79252	11.09589	12.45652	11.73746
21	SN15	10.07120	10.31723	10.40694	11.08517	11.35178
	SN16	10.08613	10.89061	11.19525	12.61596	12.08365
	SN18	10.06804	10.43311	10.65792	11.58931	11.64362
	SN20	10.07724	10.46049	10.55708	11.36173	11.56389
	MIN	10.06804	10.31723	10.40694	11.08517	11.35178
	MAX	10.09968	10.89061	11.39081	13.30617	12.08365
	MEAN	10.07865	10.57400	10.96136	12.33396	11.69164
	STD DEV. (σ)	0.00676	0.13078	0.28358	0.66108	0.17538
	-3 Sigma	10.05838	10.18166	10.11063	10.35071	11.16550
	+3 Sigma	10.09893	10.96635	11.81209	14.31721	12.21778

	VIH_Vsy=+-15V_VHOLDB=0.8V_VIN=0V (V)					
		0k	30k	50k	100k	A1
Control	SN5	10.06210	10.06469	10.06334	10.06317	10.06313
	SN23	10.05845	10.05901	10.05803	10.05818	10.05619
19	SN1	10.06242	10.54507	11.29957	13.18707	11.33413
	SN2	10.09454	10.40006	11.10143	12.84093	11.57822
	SN3	10.08040	10.61526	11.15181	13.28704	11.99846
	SN6	10.06935	10.73861	10.99733	12.29895	11.68373
21	SN15	10.06087	10.30413	10.37912	11.00717	11.30045
	SN16	10.08333	10.86401	11.06733	12.40976	12.00254
	SN18	10.06412	10.41064	10.61839	11.47648	11.61232
	SN20	10.07193	10.43746	10.51623	11.25576	11.52546
	MIN	10.06087	10.30413	10.37912	11.00717	11.30045
	MAX	10.09454	10.86401	11.29957	13.28704	12.00254
	MEAN	10.07337	10.53941	10.89140	12.22040	11.62941
	STD DEV. (σ)	0.00737	0.12056	0.26124	0.64982	0.17285
	-3 Sigma	10.05127	10.17772	10.10768	10.27094	11.11088
	+3 Sigma	10.09547	10.90109	11.67512	14.16985	12.14795

	VIH_Vsy=+-15V_VHOLD=0.8V_VIN=10V (V)					
		0k	30k	50k	100k	A1
Control	SN5	9.99911	9.99915	9.99914	9.99917	9.99912
	SN23	9.99781	9.99775	9.99777	9.99778	9.99775
19	SN1	9.99885	9.99942	9.99983	10.00126	10.00035
	SN2	9.99658	9.99661	9.99669	9.99700	9.99673
	SN3	9.99805	9.99899	9.99963	10.00212	10.00057
	SN6	9.99946	10.00036	10.00086	10.00266	10.00174
21	SN15	9.99625	9.99648	9.99661	9.99714	9.99701
	SN16	9.99925	9.99979	10.00012	10.00141	9.99948
	SN18	9.99853	9.99877	9.99872	9.99918	9.99851
	SN20	9.99709	9.99755	9.99771	9.99842	9.99857
	MIN	9.99625	9.99648	9.99661	9.99700	9.99673
	MAX	9.99946	10.00036	10.00086	10.00266	10.00174
	MEAN	9.99801	9.99850	9.99877	9.99990	9.99912
	STD DEV. (σ)	0.00092	0.00110	0.00120	0.00164	0.00124
	-3 Sigma	9.99524	9.99519	9.99516	9.99499	9.99539
	+3 Sigma	10.00078	10.00181	10.00238	10.00480	10.00285

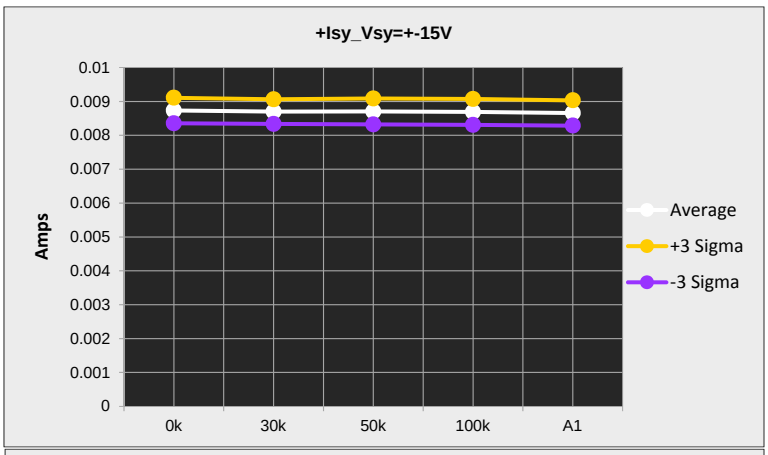
	IOUT_Vsy=+-15V_VIN=10V_RL=100 Ohms (A)					
		0k	30k	50k	100k	A1
Control	SN5	0.02987	0.02986	0.02986	0.02986	0.02986
	SN23	0.02872	0.02872	0.02872	0.02873	0.02872
19	SN1	0.02917	0.02927	0.02936	0.02946	0.02945
	SN2	0.02933	0.02939	0.02947	0.02953	0.02952
	SN3	0.02928	0.02939	0.02944	0.02957	0.02956
	SN6	0.03050	0.03060	0.03062	0.03070	0.03072
21	SN15	0.02947	0.02953	0.02952	0.02955	0.02957
	SN16	0.02990	0.02997	0.02995	0.02999	0.03003
	SN18	0.02957	0.02961	0.02961	0.02964	0.02965
	SN20	0.02961	0.02964	0.02962	0.02963	0.02963
	MIN	0.02917	0.02927	0.02936	0.02946	0.02945
	MAX	0.03050	0.03060	0.03062	0.03070	0.03072
	MEAN	0.02960	0.02968	0.02970	0.02976	0.02977
	STD DEV. (σ)	0.00024	0.00022	0.00020	0.00019	0.00020
	-3 Sigma	0.02890	0.02900	0.02910	0.02919	0.02917
	+3 Sigma	0.03031	0.03035	0.03030	0.03033	0.03036

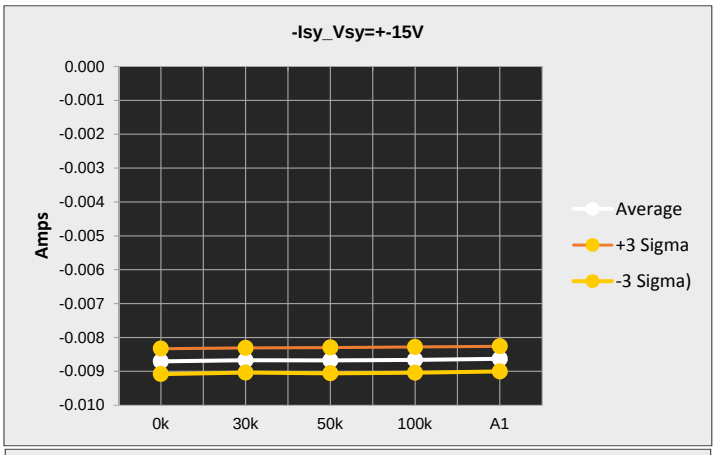
	PSRR_+VS=+5V to +18V_-VS=-10.8V (dB)					
		0k	30k	50k	100k	A1
Control	SN5	81.73121	81.55967	81.63283	81.70095	81.71221
	SN23	86.67470	87.51846	87.01057	86.95658	86.71465
19	SN1	79.37322	77.94115	76.94730	75.63529	76.45874
	SN2	89.76891	90.68237	88.94102	89.67771	87.80368
	SN3	79.22200	78.08144	76.86561	74.32308	76.10789
	SN6	84.09302	82.07545	80.49746	78.48195	79.73071
21	SN15	82.72680	82.34532	81.65768	81.71879	80.76199
	SN16	84.27345	81.96237	81.59062	78.71894	80.29032
	SN18	85.01806	84.38346	84.34809	84.40618	83.47510
	SN20	90.22381	88.86937	88.64784	86.69749	86.69705
	MIN	79.22200	77.94115	76.86561	74.32308	76.10789
	MAX	90.22381	90.68237	88.94102	89.67771	87.80368
	MEAN	84.33741	83.29262	82.43695	81.20743	81.41569
	STD DEV. (σ)	2.76376	2.92631	3.07667	3.62656	2.86049
	-3 Sigma	76.04614	74.51369	73.20694	70.32773	72.83421
	+3 Sigma	92.62868	92.07154	91.66696	92.08712	89.99716

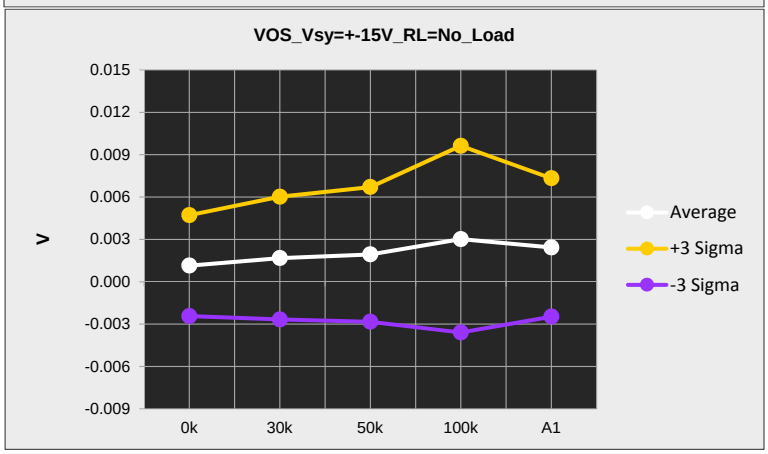
	PSRR_+VS=+15V_-VS=-12V to -18V (dB)					
		0k	30k	50k	100k	A1
Control	SN5	83.33353	83.28920	82.34525	83.15369	83.19875
	SN23	89.46207	89.99101	89.97799	90.35383	90.88426
19	SN1	85.49535	90.67262	90.39762	87.49554	90.48550
	SN2	88.09608	91.21552	94.22981	93.30778	94.26685
	SN3	86.94687	90.24083	94.77792	98.70380	91.42560
	SN6	88.22517	93.15343	99.34101	92.53239	94.91263
21	SN15	83.45779	82.15713	82.61469	81.11758	82.37088
	SN16	94.00428	95.94687	91.94281	95.22568	97.07451
	SN18	84.88720	85.10825	86.04468	84.34261	87.34244
	SN20	88.38670	85.79714	86.30389	86.77764	86.26548
	MIN	83.45779	82.15713	82.61469	81.11758	82.37088
	MAX	94.00428	95.94687	99.34101	98.70380	97.07451
	MEAN	87.43743	89.28647	90.70655	89.93788	90.51799
	STD DEV. (σ)	1.94031	3.39033	3.90403	4.22673	3.67510
	-3 Sigma	81.61651	79.11547	78.99446	77.25768	79.49270
	+3 Sigma	93.25835	99.45748	102.41865	102.61807	101.54327

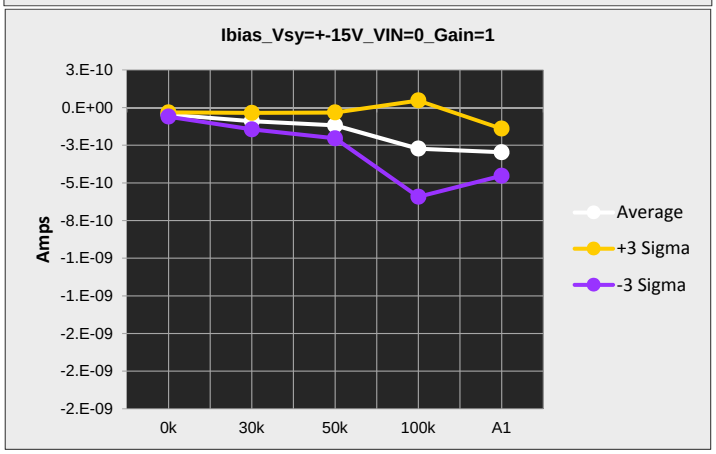
	ROUT_Vsy=+-15V_IOUT=+-10mA (Ohms)					
		0k	30k	50k	100k	A1
Control	SN5	0.00581	0.00948	0.00898	0.00880	0.00657
	SN23	0.04835	0.04838	0.04835	0.04806	0.04383
19	SN1	0.00624	0.03198	0.03117	0.03819	0.02505
	SN2	0.01680	0.04797	0.04356	0.05442	0.03837
	SN3	0.00600	0.02475	0.03194	0.03738	0.01096
	SN6	0.02923	0.00964	0.00022	0.00897	0.01576
21	SN15	0.04230	0.06131	0.07375	0.08257	0.05120
	SN16	0.00393	0.01204	0.02215	0.03108	0.01167
	SN18	0.04569	0.07044	0.08075	0.09071	0.06193
	SN20	0.03562	0.05480	0.06871	0.07788	0.04716
	MIN	0.00393	0.00964	0.00022	0.00897	0.01096
	MAX	0.04569	0.07044	0.08075	0.09071	0.06193
	MEAN	0.02323	0.03912	0.04403	0.05265	0.03276
	STD DEV. (σ)	0.01195	0.01630	0.01968	0.02006	0.01346
	-3 Sigma	-0.01261	-0.00978	-0.01500	-0.00752	-0.00763
	+3 Sigma	0.05906	0.08801	0.10306	0.11282	0.07315

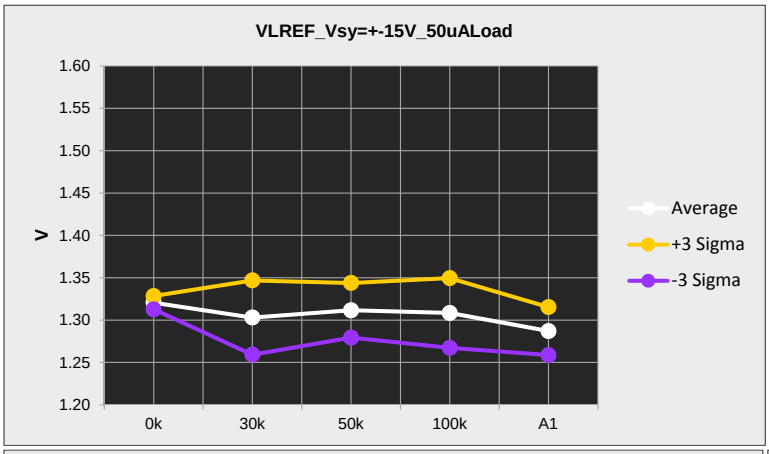
		CMRR_Vsy15_Vcm+-10 (dB)				
		0k	30k	50k	100k	A1
Control	SN5	86.06691	85.47931	85.43274	85.18848	85.22620
	SN23	90.08129	90.20110	90.22795	90.91311	89.03623
19	SN1	88.24148	91.04505	92.41852	91.76865	90.65510
	SN2	97.67759	136.89017	114.17692	103.08625	98.50861
	SN3	92.50547	105.29450	101.92641	103.57230	97.74122
	SN6	100.11319	123.51004	110.72600	126.43260	117.80532
21	SN15	85.70002	86.78717	86.37201	86.20119	87.82381
	SN16	117.48944	111.94708	105.29450	100.63191	89.88521
	SN18	88.73669	88.56846	89.95008	89.33434	96.41141
	SN20	93.25330	97.03616	94.83693	94.83693	96.08868
	MIN	85.70002	86.78717	86.37201	86.20119	87.82381
	MAX	117.48944	136.89017	114.17692	126.43260	117.80532
	MEAN	95.46465	105.13483	99.46267	99.48302	96.86492
	STD DEV. (σ)	5.43053	11.18156	6.89588	7.17635	4.92556
	-3 Sigma	79.17307	71.59014	78.77502	77.95396	82.08823
	+3 Sigma	111.75623	138.67952	120.15032	121.01209	111.64161

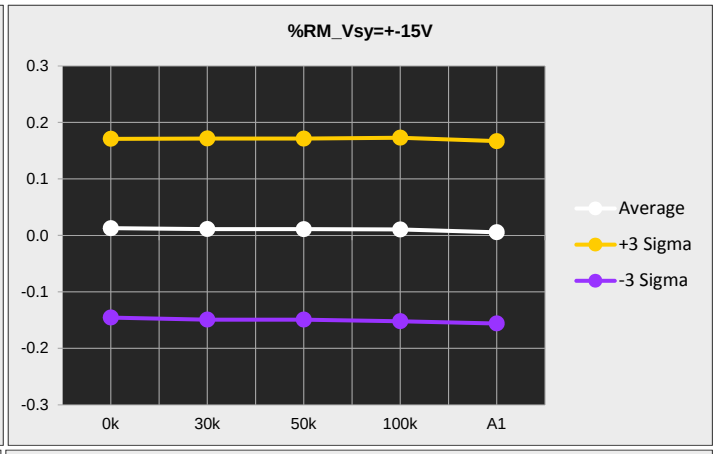

+Isy_Vsy=+-15V
Amps
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

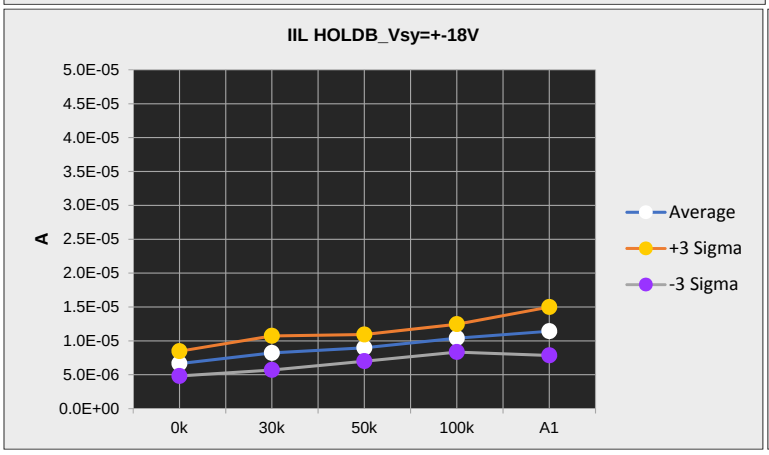

-Isy_Vsy=+-15V
Amps
0.000
-0.001
-0.002
-0.003
-0.004
-0.005
-0.006
-0.007
-0.008
-0.009
-0.010
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma)

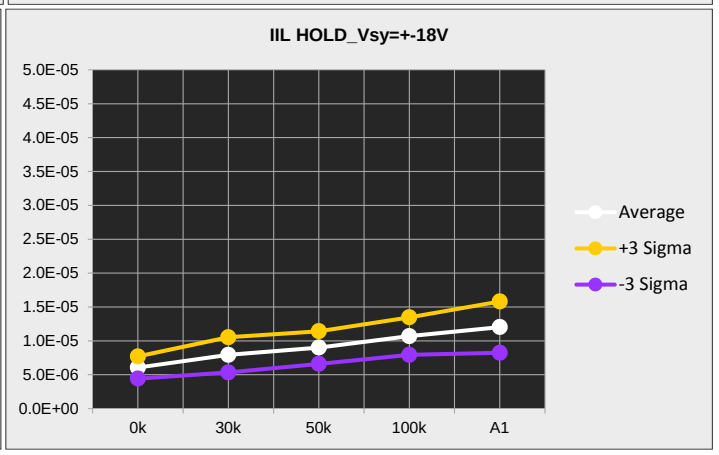

VOS_Vsy=+-15V_RL=No_Load
V
0.015
0.012
0.009
0.006
0.003
0.000
-0.003
-0.006
-0.009
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

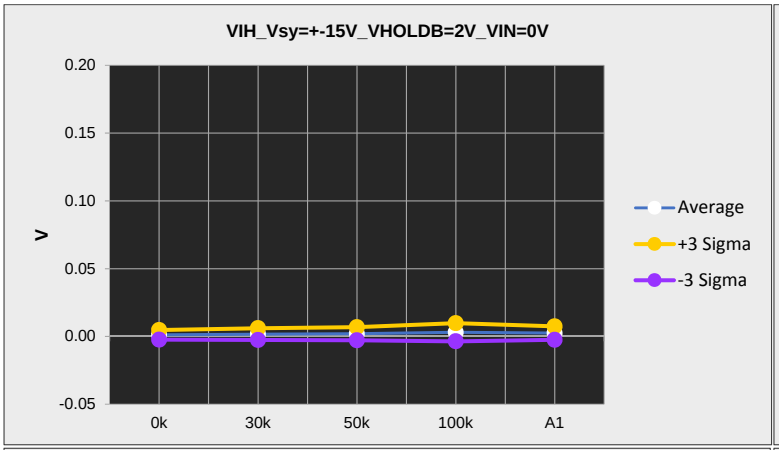

Ibias_Vsy=+-15V_VIN=0_Gain=1
Amps
3.E-10
0.E+00
-3.E-10
-5.E-10
-8.E-10
-1.E-09
-1.E-09
-2.E-09
-2.E-09
-2.E-09
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

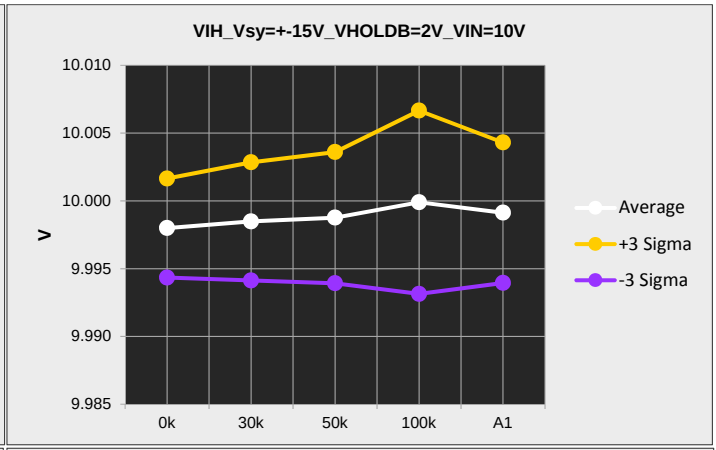

VLREF_Vsy=+-15V_50uALoad
V
1.60
1.55
1.50
1.45
1.40
1.35
1.30
1.25
1.20
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

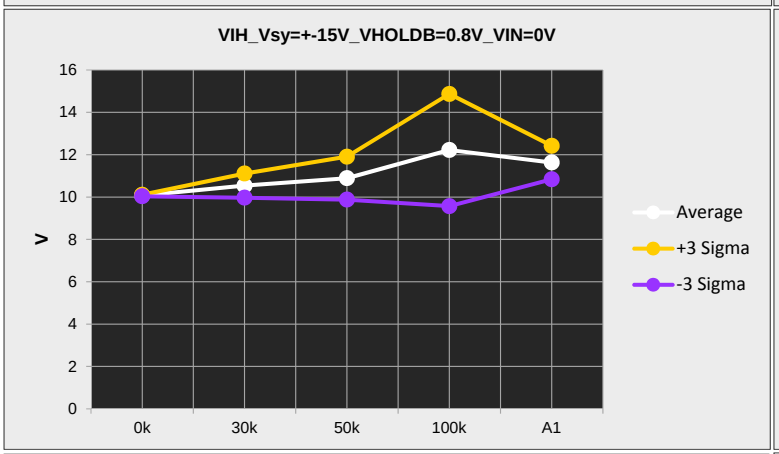

%RM_Vsy=+-15V
0.3
0.2
0.1
0.0
-0.1
-0.2
-0.3
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

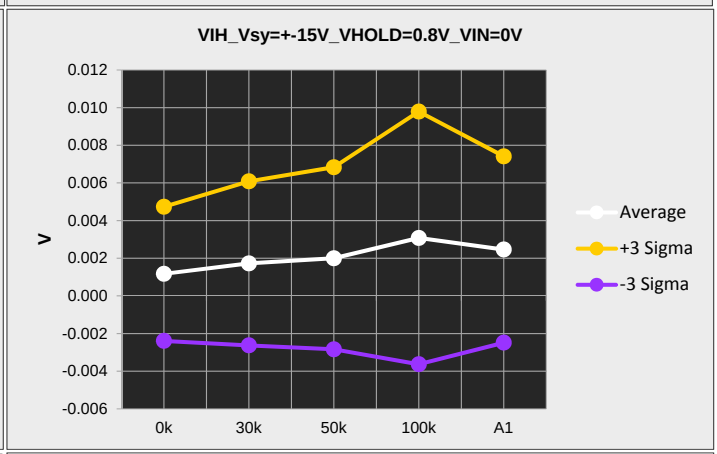

IIL HOLDB_Vsy=+-18V
A
5.0E-05
4.5E-05
4.0E-05
3.5E-05
3.0E-05
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

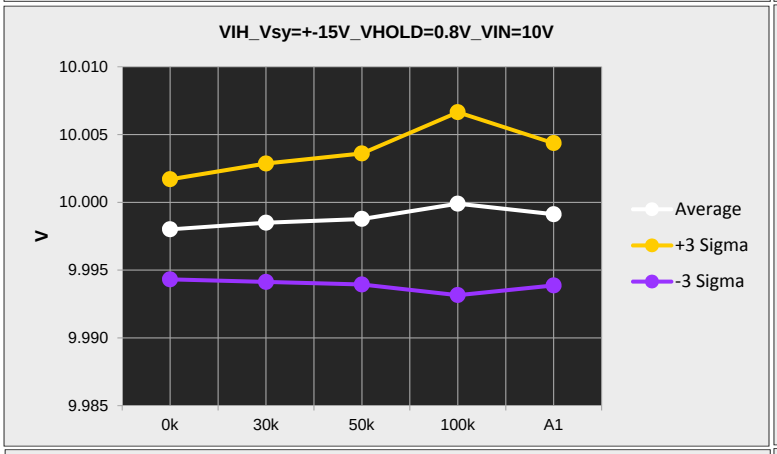

IIL HOLD_Vsy=+-18V
5.0E-05
4.5E-05
4.0E-05
3.5E-05
3.0E-05
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

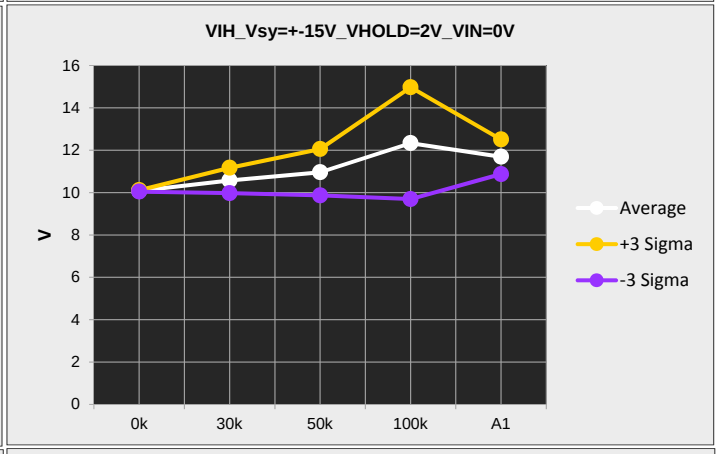

VIH_Vsy=+-15V_VHOLDB=2V_VIN=0V
V
0.20
0.15
0.10
0.05
0.00
-0.05
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

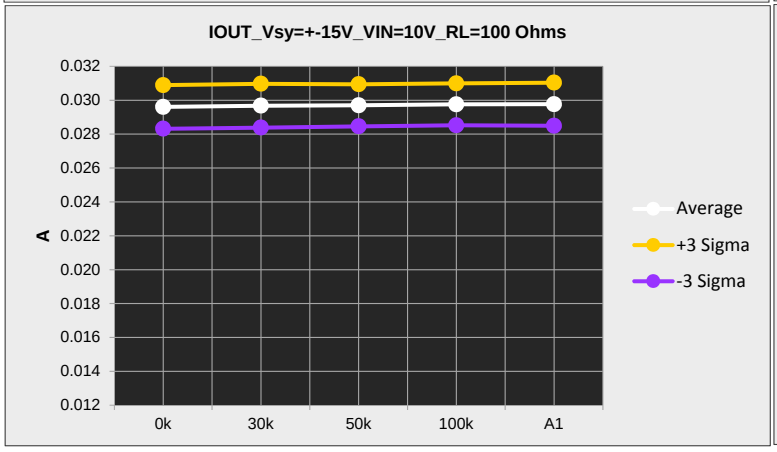

VIH_Vsy=+-15V_VHOLDB=2V_VIN=10V
V
10.010
10.005
10.000
9.995
9.990
9.985
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

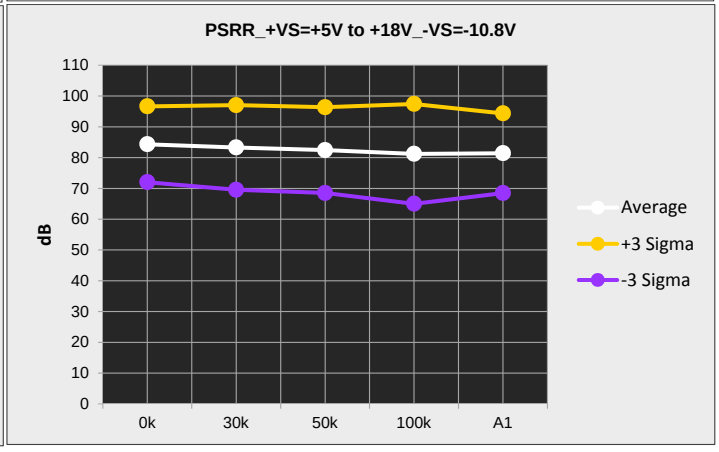

VIH_Vsy=+-15V_VHOLDB=0.8V_VIN=0V
V
16
14
12
10
8
6
4
2
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

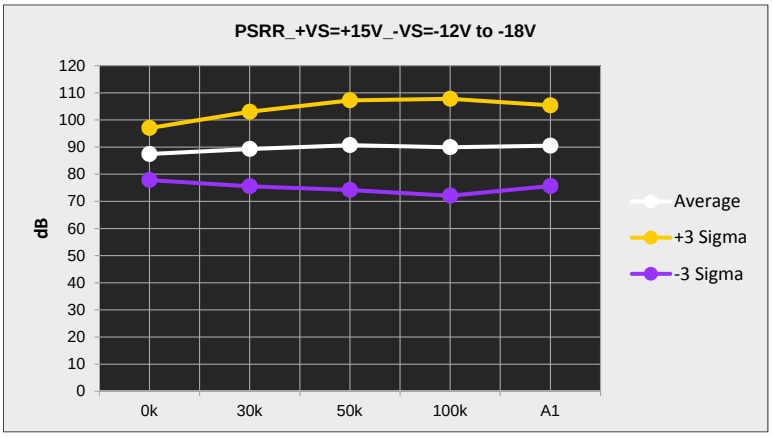

VIH_Vsy=+-15V_VHOLD=0.8V_VIN=0V
V
0.012
0.010
0.008
0.006
0.004
0.002
0.000
-0.002
-0.004
-0.006
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

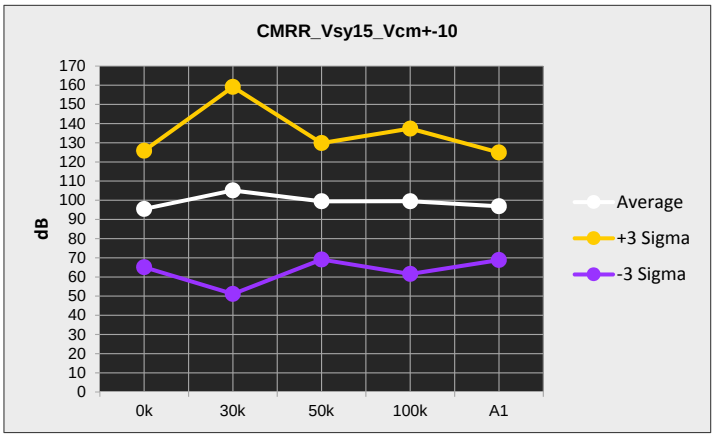

VIH_Vsy=+-15V_VHOLD=0.8V_VIN=10V
V
10.010
10.005
10.000
9.995
9.990
9.985
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

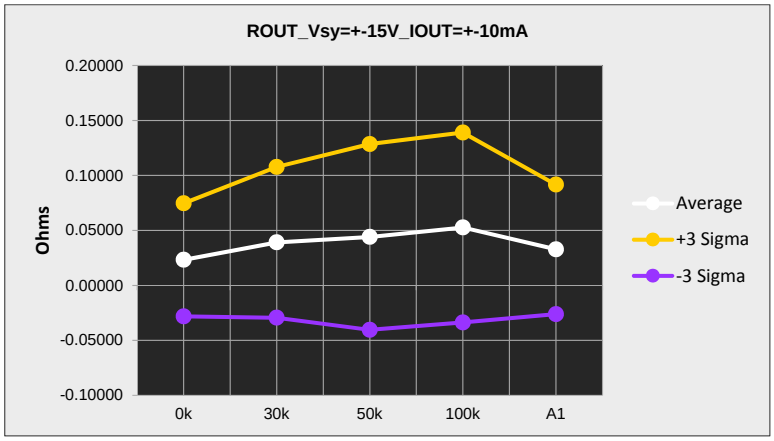

VIH_Vsy=+-15V_VHOLD=2V_VIN=0V
V
16
14
12
10
8
6
4
2
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

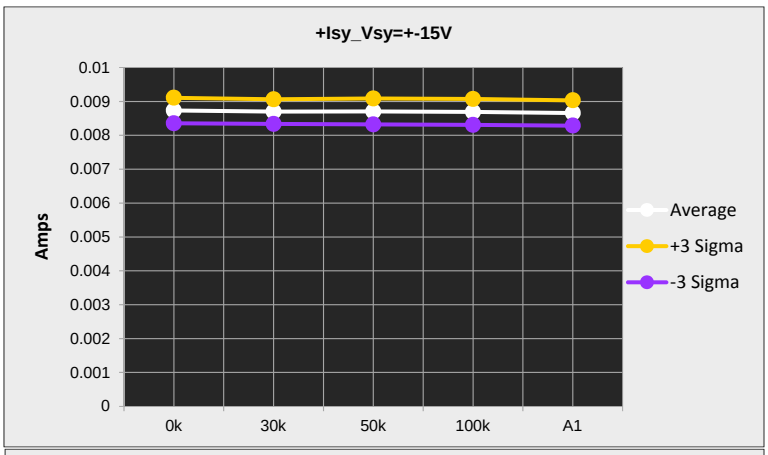

IOUT_Vsy=+-15V_VIN=10V_RL=100 Ohms
A
0.032
0.030
0.028
0.026
0.024
0.022
0.020
0.018
0.016
0.014
0.012
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

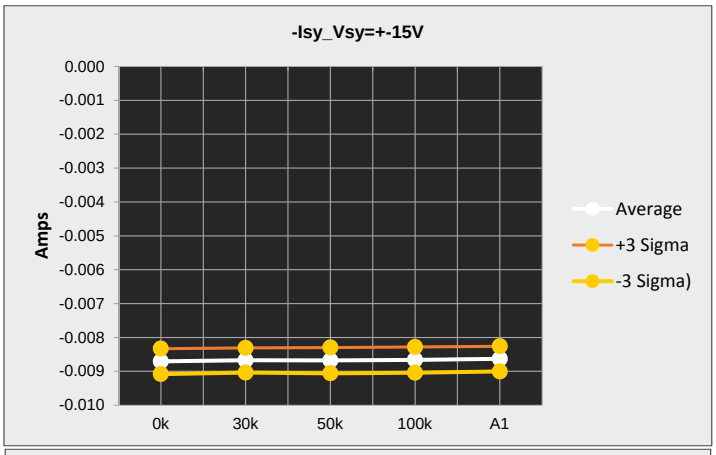

PSRR_+VS=+5V to +18V_-VS=-10.8V
dB
110
100
90
80
70
60
50
40
30
20
10
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

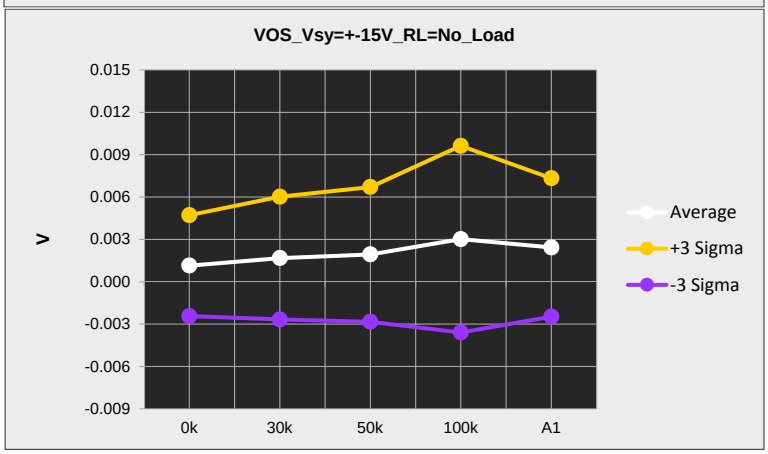

PSRR_+VS=+15V_-VS=-12V to -18V
dB
120
110
100
90
80
70
60
50
40
30
20
10
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

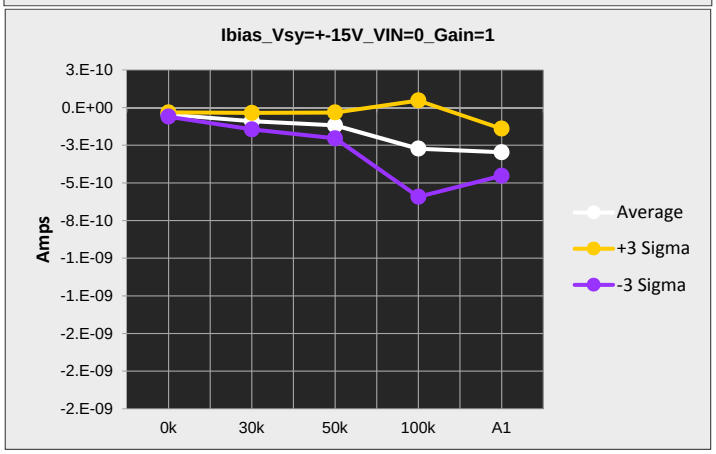

CMRR_Vsy15_Vcm+-10
dB
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

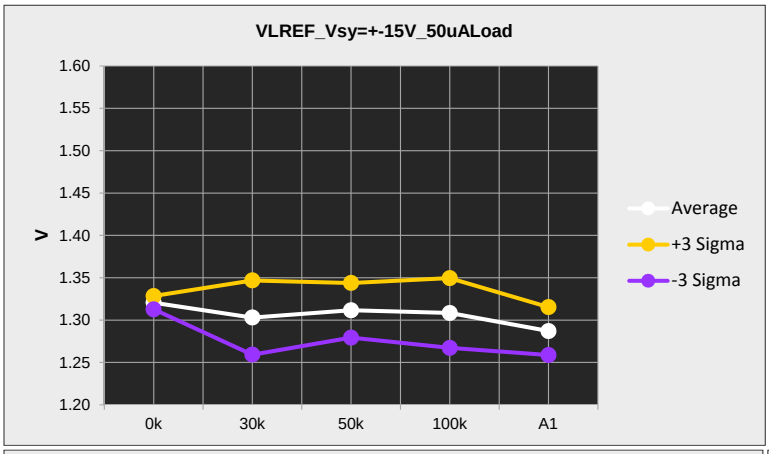

ROUT_Vsy=+-15V_IOUT=+-10mA
Ohms
0.20000
0.15000
0.10000
0.05000
0.00000
-0.05000
-0.10000
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

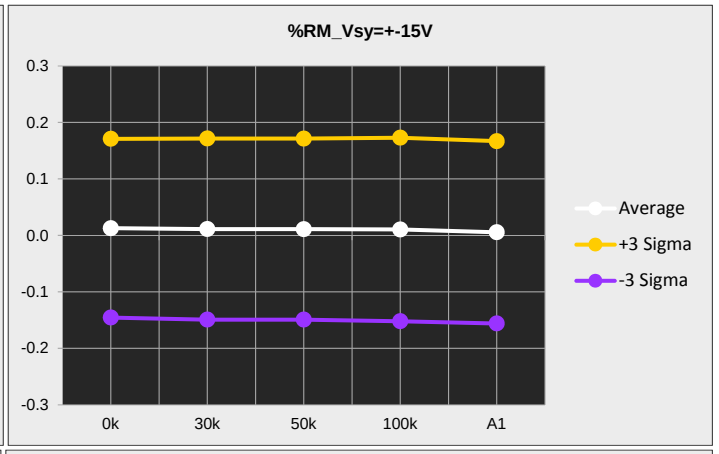

+Isy_Vsy=+-15V
Amps
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

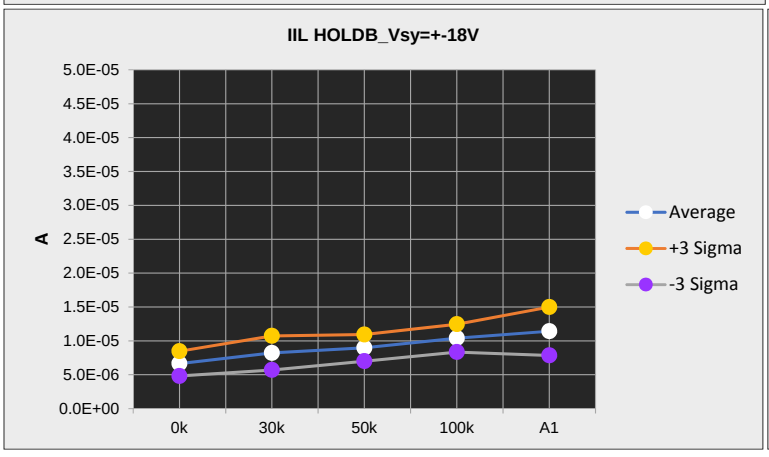

-Isy_Vsy=+-15V
Amps
0.000
-0.001
-0.002
-0.003
-0.004
-0.005
-0.006
-0.007
-0.008
-0.009
-0.010
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma)

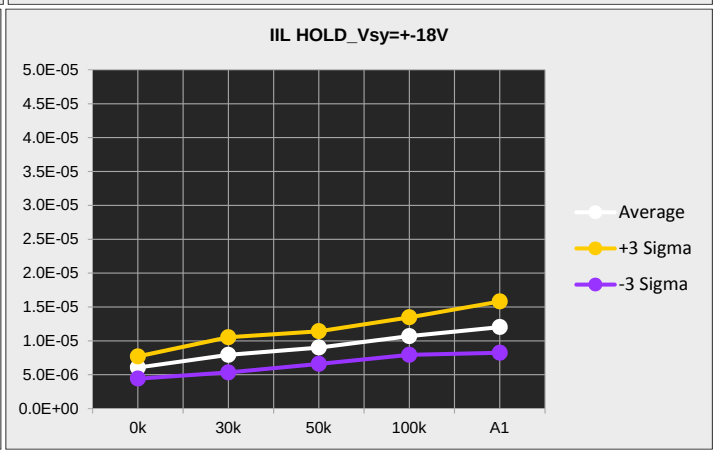

VOS_Vsy=+-15V_RL=No_Load
V
0.015
0.012
0.009
0.006
0.003
0.000
-0.003
-0.006
-0.009
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

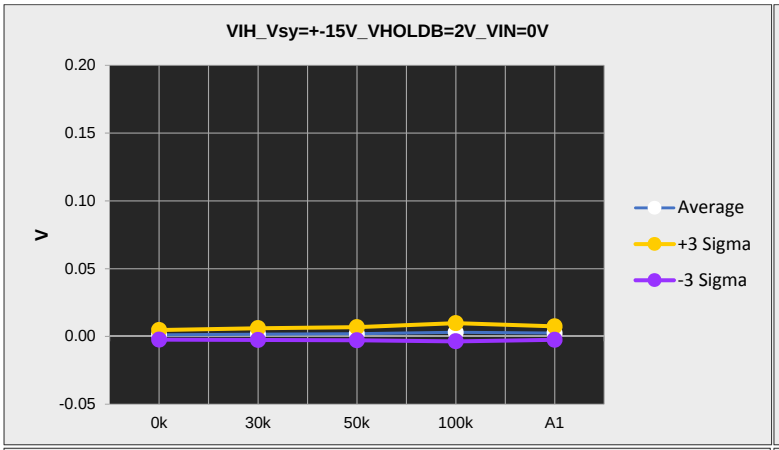

Ibias_Vsy=+-15V_VIN=0_Gain=1
Amps
3.E-10
0.E+00
-3.E-10
-5.E-10
-8.E-10
-1.E-09
-1.E-09
-2.E-09
-2.E-09
-2.E-09
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

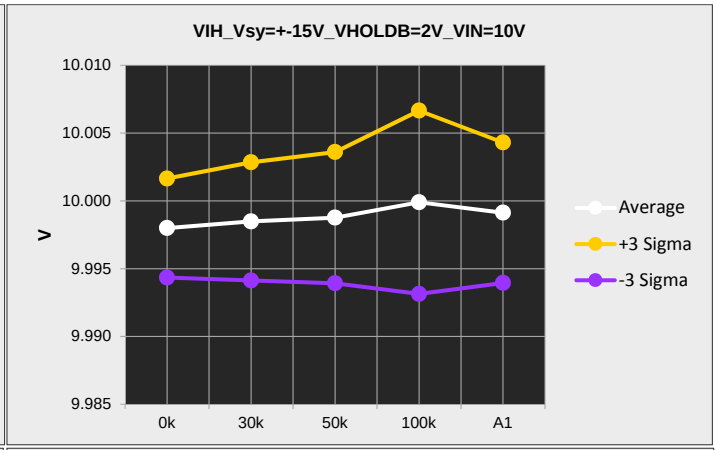

VLREF_Vsy=+-15V_50uALoad
V
1.60
1.55
1.50
1.45
1.40
1.35
1.30
1.25
1.20
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

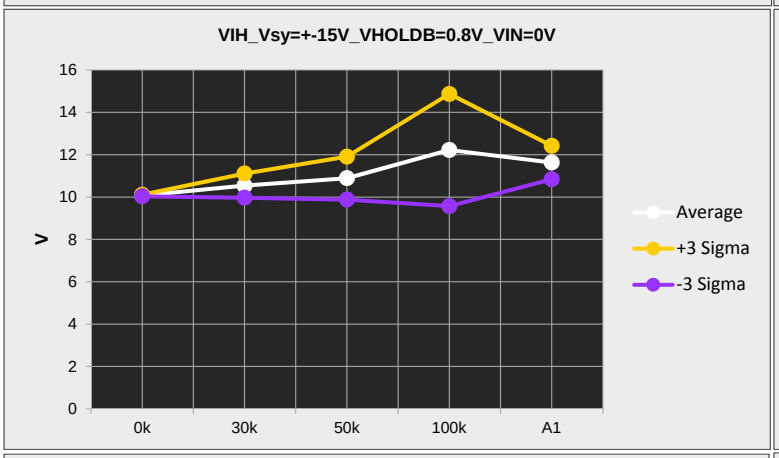

%RM_Vsy=+-15V
0.3
0.2
0.1
0.0
-0.1
-0.2
-0.3
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

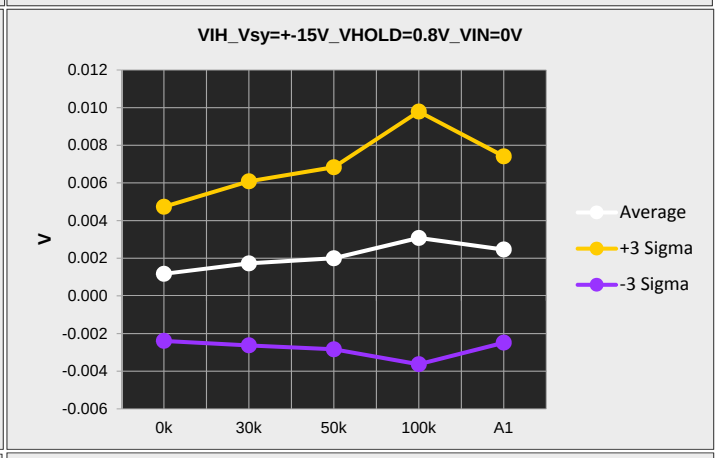

IIL HOLDB_Vsy=+-18V
A
5.0E-05
4.5E-05
4.0E-05
3.5E-05
3.0E-05
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

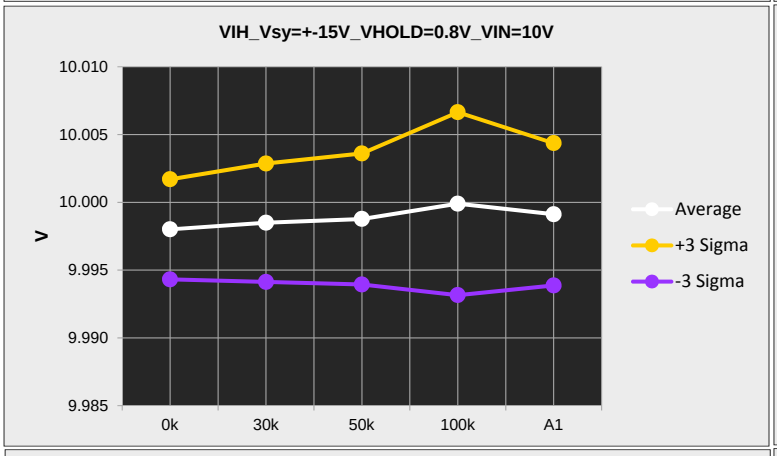

IIL HOLD_Vsy=+-18V
5.0E-05
4.5E-05
4.0E-05
3.5E-05
3.0E-05
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

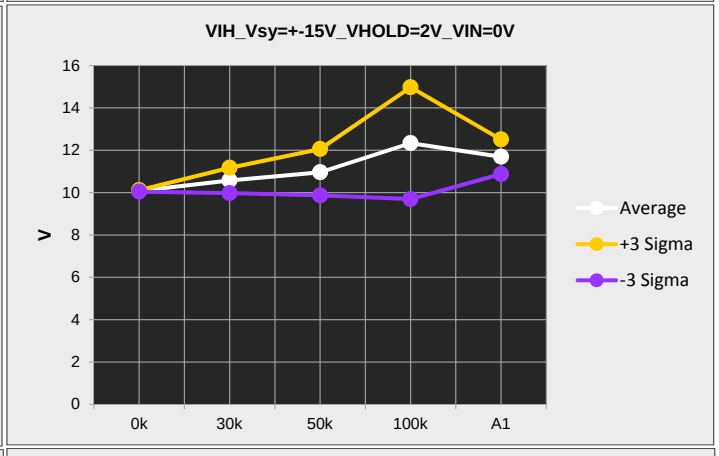

VIH_Vsy=+-15V_VHOLDB=2V_VIN=0V
V
0.20
0.15
0.10
0.05
0.00
-0.05
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

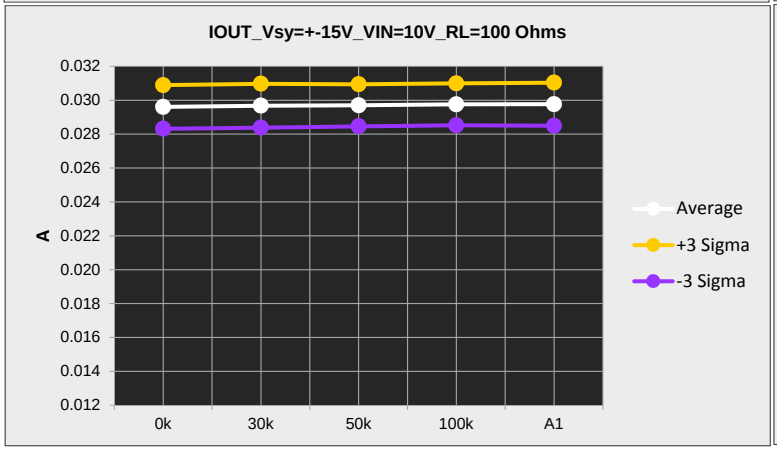

VIH_Vsy=+-15V_VHOLDB=2V_VIN=10V
V
10.010
10.005
10.000
9.995
9.990
9.985
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

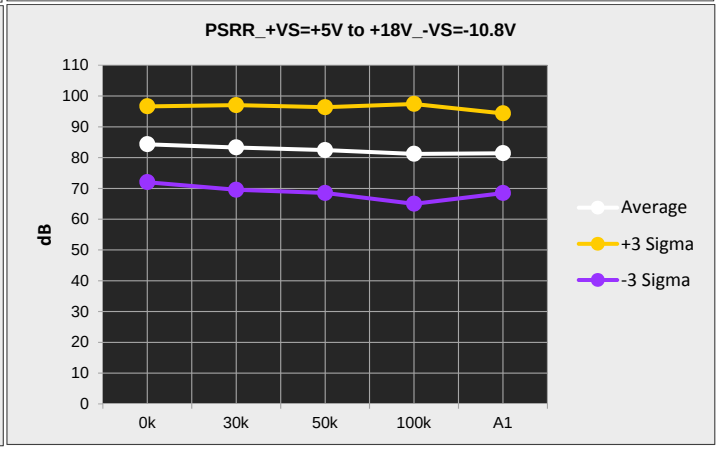

VIH_Vsy=+-15V_VHOLDB=0.8V_VIN=0V
V
16
14
12
10
8
6
4
2
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

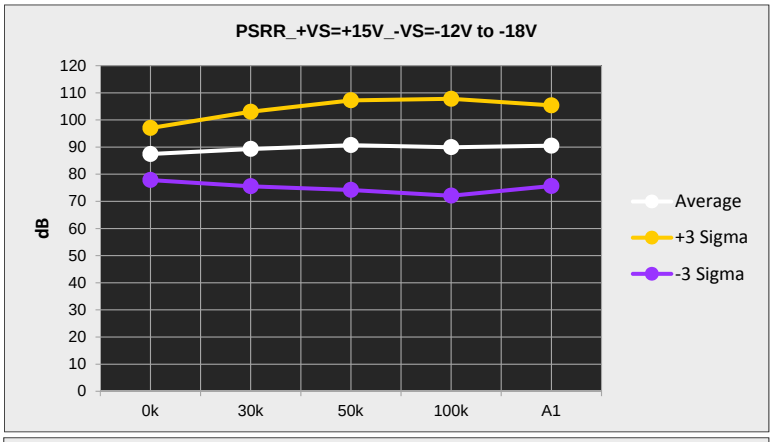

VIH_Vsy=+-15V_VHOLD=0.8V_VIN=0V
V
0.012
0.010
0.008
0.006
0.004
0.002
0.000
-0.002
-0.004
-0.006
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

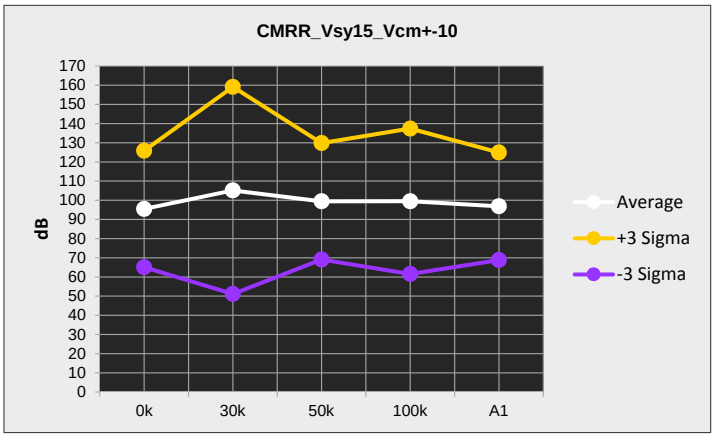

VIH_Vsy=+-15V_VHOLD=0.8V_VIN=10V
V
10.010
10.005
10.000
9.995
9.990
9.985
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma

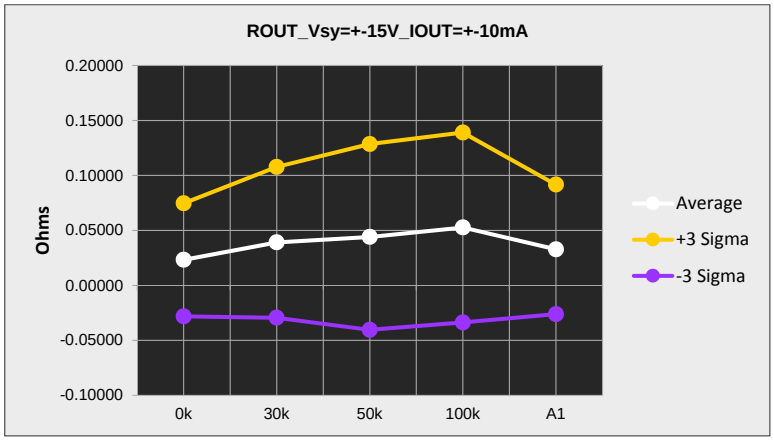

VIH_Vsy=+-15V_VHOLD=2V_VIN=0V
V
16
14
12
10
8
6
4
2
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma


IOUT_Vsy=+-15V_VIN=10V_RL=100 Ohms
A
0.032
0.030
0.028
0.026
0.024
0.022
0.020
0.018
0.016
0.014
0.012
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma


PSRR_+VS=+5V to +18V_-VS=-10.8V
dB
110
100
90
80
70
60
50
40
30
20
10
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma


PSRR_+VS=+15V_-VS=-12V to -18V
dB
120
110
100
90
80
70
60
50
40
30
20
10
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma


CMRR_Vsy15_Vcm+-10
dB
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma


ROUT_Vsy=+-15V_IOUT=+-10mA
Ohms
0.20000
0.15000
0.10000
0.05000
0.00000
-0.05000
-0.10000
0k
30k
50k
100k
A1
Average
+3 Sigma
-3 Sigma