



ABSTRACT

This report discusses the radiation characterization results of the INA950-SEP current-sense amplifier. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) up to 30krad(Si) and low dose rate (LDR) up to 30krad(Si) as a one-time characterization. The results show that all samples passed within the specified limits up to 30krad(Si). To specify the following results, the Radiation Lot Acceptance Testing (RLAT) was performed using five units at a dose level of 30 krad(Si) that will be required for future wafer lots. Furthermore, the INA950 is packaged in a space enhanced plastic for low outgassing characteristics and is Single Event Latch-Up (SEL) immune up to 43MeV-cm² /mg making the device designed for low Earth orbit space applications.

1 Device Information

The INA950-SEP is a radiation-tolerant, single channel, ultra-precise current-sense amplifier that can measure voltage drops across shunt resistors over a common-mode range of 2.7V to 80V. The INA950-SEP operates from a single 2.7V or 5.5V supply with only drawing 370µA of a supply current per channel.

1.1 Device Details

[Table 1-1](#) lists the device information used for TID HDR characterization and qualification

Table 1-1. Device and Exposure Details

TID HDR Details: Up to 30krad (Si)	
TI Device Number	INA950-SEP
Package	8-pin PW
Technology	LBCSOI2
Die Lot Number	1316082
A/T Lot Number / Lot Trace Code	4695075ML4/4AA4LJK
Quantity Tested	15 irradiated devices + 2 control devices
Lot Accept/Reject	Devices passed 30krad (Si)
HDR Radiation Facility	Texas Instruments CLAB, Dallas, TX
HDR Dose Level	30krad (Si)
HDR Dose Rate	260 rad(Si)/
HDR Radiation Source	Gammacell (GR420) Co-60
Irradiation Temperature	Ambient, room temperature
LDR Radiation Facility	VPT Rad, Chelmsford, Massachusetts
LDR Dose Level	30krad(Si)
LDR Dose Rate	10mrad(Si)/s ionizing radiation with increments
LDR Radiation Source	JLSA-81-22
VID	V62/25635

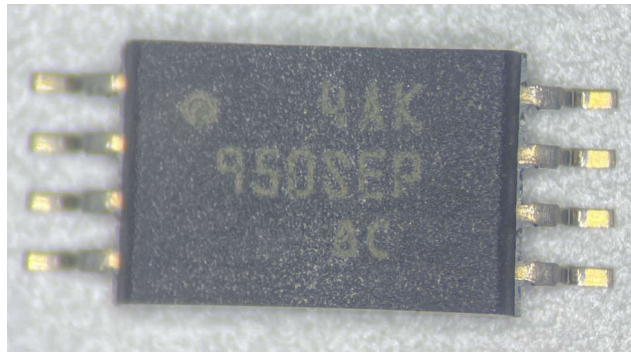


Figure 1-1. INA950-SEP Device

2 Total Dose Test Setup

2.1 Test Overview

HDR Testing

The INA950-SEP samples were irradiated at a high dose rate of 50-300 rad(Si)/s up to 30krad(Si) and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). The samples were functional and passed all electrical parametric tests with readings within data sheet electrical specification limits.

LDR Testing

The INA950-SEP samples were irradiated at a low dose rate of 10mrad(Si)/s up to 20krad(Si) and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). The samples were functional and passed all electrical parametric tests with readings within data sheet electrical specification limits.

2.2 Test Description and Facilities

The INA950-SEP HDR exposure was performed on biased devices in a Co60 gamma cell at TI CLAB facility in Dallas, Texas. The unattenuated dose rate of this cell is 50-300 rad(Si)/s. After exposure, the devices completed a full post irradiation electrical evaluation using Texas Instruments ATE. The ATE guard band test limits are set within the electrical specifications in the data sheet to ensure a minimum Cpk and test error margin based on initial qualification and characterization data. Post-irradiation measurements were taken within 30 minutes of radiation.

The INA950-SEP LDR exposure was performed on unbiased devices in a Co60 gamma cell at VPT Rad facility in Chelmsford, Massachusetts. A uniform radiation beam is emitted through a single divergent beam port on the irradiator. A range of dose rates from 0.01 to 0.1 rad(Si)/sec is available by varying the distance to the beam port. Lead-aluminum test boxes provide energy spectrum hardening for the device under test (DUT). The DUT is positioned using a precise and versatile positioning system. An adjacent laboratory area provides a location for bias power supplies, monitoring, and test instrumentation. After exposure, the devices completed a full post irradiation electrical evaluation using Texas Instruments ATE. ATE guard band test limits are set within data sheet electrical specifications to ensure a minimum Cpk and test error margin based on initial qualification and characterization data.

2.3 Test Setup Details

The devices were tested in biased conditions as shown in the following sections.

2.3.1 Biased

Figure 2-1 shows the bias conditions for each pin during irradiation.

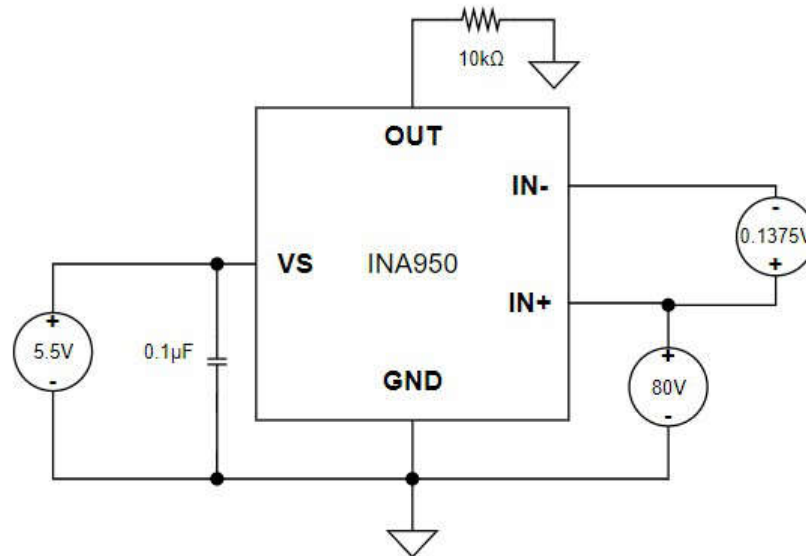


Figure 2-1. INA950-SEP Biased Diagram

2.4 Test Configuration and Condition

To determine what testing should be used for the RLAT testing of any future lots of the INA950-SEP, an ELDRS (Enhanced Low Dose Rate Sensitivity) study was performed to compare the results of the HDR stress to the results of the LDR stress. After comparing the results of the mean HDR and LDR stresses, it was determined that the delta ratio remained either under 1.5x or within the device specifications, thus defining the HDR as the worst-case stress and the device as *ELDRS-free*. This conclusion allows for the RLAT testing of future lots to be done with HDR testing.

[Table 2-1](#) and [Table 2-2](#) list the serialized samples used for the ELDRS comparison.

Table 2-1. HDR = 260 rad(Si)/s Device Information

HDR = 260 rad(Si)/s	
Total Samples: 10	
Exposure Levels	
30krad (Si)	30krad (Si)
Biased	Unbiased
1, 2, 3, 4, 5	6, 7, 8, 9, 10

Table 2-2. LDR = 10 mrad(Si)/s Device Information

LDR = 10mrad(Si)/s	
Total Samples: 10	
Exposure Levels	
30krad (Si)	30krad (Si)
Biased	Unbiased
1, 2, 3, 4, 5	5, 6, 7, 8, 9

3 Total Ionizing Dose (RHA) Characterization Test Results

3.1 Total Ionizing Dose RHA Characterization Summary Results

The parametric data for the-SEP is within data sheet limits up to 30krad(Si) for biased setup conditions.

3.1.1 Reference

Quiescent current showed little variation at 30 krad(Si) but is still within data sheet limits. [Figure 3-1](#) and [Figure 3-2](#) show the minimum, average, and maximum data post irradiation for each dose level.

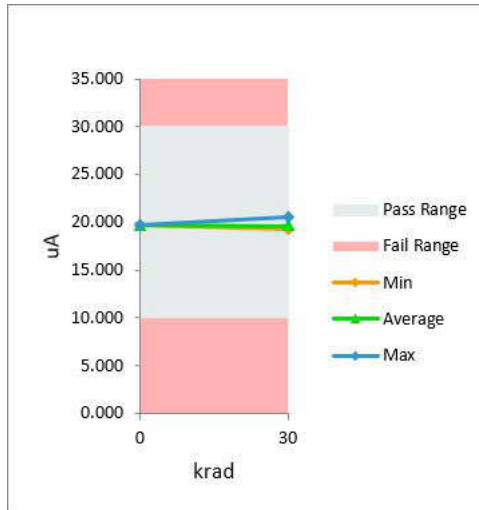


Figure 3-1. HDR Radiation Exposure Effect on Positive Quiescent Current

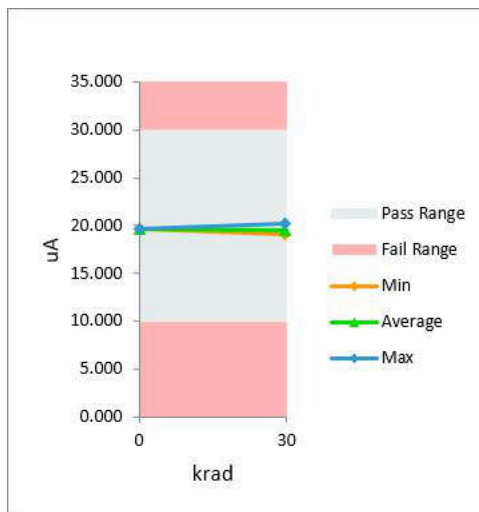


Figure 3-2. HDR Radiation Exposure Effect on Negative Quiescent Current

3.1.2 Quiescent Current LDR

Quiescent current showed little variation at 30krad(Si) but is still within data sheet limits. [Figure 3-3](#) and [Figure 3-4](#) show the minimum, average, and maximum data post irradiation for each dose level

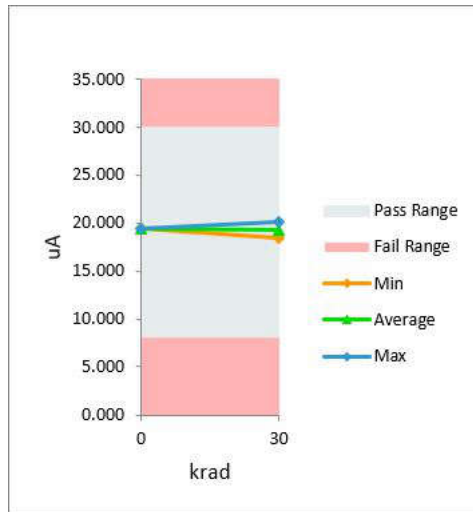


Figure 3-3. LDR Radiation Exposure Effect on Positive Quiescent Current

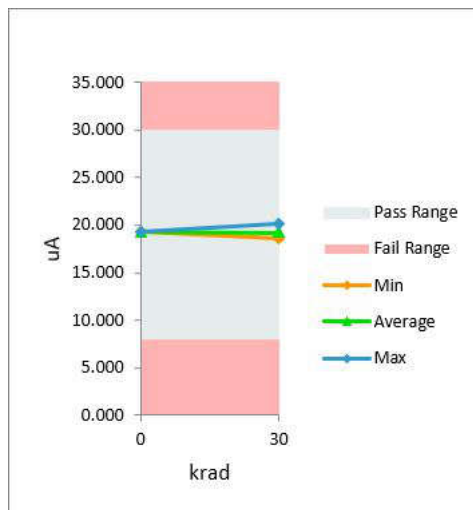


Figure 3-4. LDR Radiation Exposure Effect on Negative Quiescent Current

A Total Ionizing Dose Report

This appendix provides both the INA950-SEP TID HDR and the TID LDR report. The reports show the variation for each parameter up to 30krad(Si).

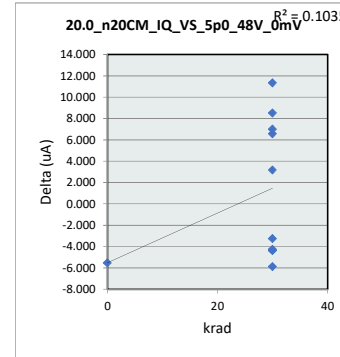
HDR Char TID Report
INA950A1MPWTSEP

HDR Char TID Report INA950A1MPWTSEP

20.0_n20CM_IQ_VS_5p0_48V_0

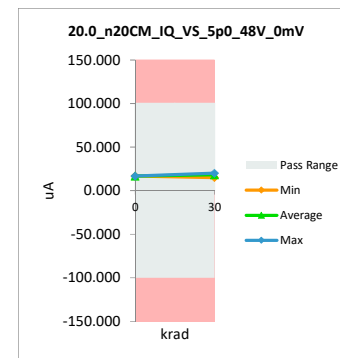
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	100	100
Min Limit	-100	-100

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	10.424	17.438	7.014	67.29%	3.51%
30	2	21.849	18.607	-3.242	-14.84%	1.62%
30	3	8.768	20.117	11.349	129.44%	5.67%
30	4	20.973	15.100	-5.873	-28.00%	2.94%
30	5	10.911	19.435	8.524	78.12%	4.26%
30	6	22.725	18.363	-4.362	-19.19%	2.18%
30	7	14.028	17.194	3.166	22.57%	1.58%
30	8	23.649	19.289	-4.360	-18.44%	2.18%
30	9	10.959	17.535	6.576	60.01%	3.29%
30	10	22.287	18.022	-4.265	-19.14%	2.13%
0	11	22.238	16.707	-5.531	-24.87%	2.77%
Max		23.649	20.117	11.349	129.44%	5.67%
Average		17.165	17.982	0.818	21.18%	2.92%
Min		8.768	15.100	-5.873	-28.00%	1.58%
Std Dev		6.040	1.413	6.545	54.09%	1.23%



20.0_n20CM_IQ_VS_5p0_48V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	100 uA
Min Limit	-100 uA
krad	0 30
LL	-100.000 -100.000
Min	16.707 15.100
Average	16.707 18.110
Max	16.707 20.117
UL	100.000 100.000

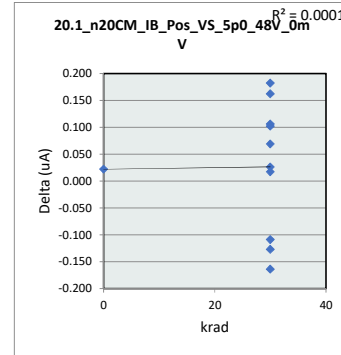


HDR Char TID Report INA950A1MPWTSEP

20.1_n20CM_IB_Pos_VS_5p0_48V_0m

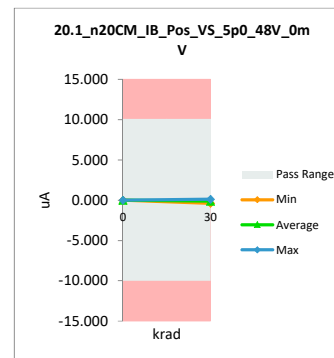
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	10	10
Min Limit	-10	-10

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-0.489	-0.387	0.102	-20.86%	0.51%
30	2	-0.164	-0.095	0.069	-42.07%	0.35%
30	3	-0.028	-0.192	-0.164	585.71%	0.82%
30	4	-0.114	-0.241	-0.127	111.40%	0.63%
30	5	-0.330	-0.148	0.182	-55.15%	0.91%
30	6	0.003	0.029	0.026	866.67%	0.13%
30	7	-0.105	-0.214	-0.109	103.81%	0.55%
30	8	0.003	0.109	0.106	3533.33%	0.53%
30	9	-0.194	-0.032	0.162	-83.51%	0.81%
30	10	-0.051	-0.034	0.017	-33.33%	0.08%
0	11	-0.034	-0.012	0.022	-64.71%	0.11%
Max		0.003	0.109	0.182	3533.33%	0.91%
Average		-0.137	-0.111	0.026	445.57%	0.49%
Min		-0.489	-0.387	-0.164	-83.51%	0.08%
Std Dev		0.154	0.142	0.116	1069.37%	0.30%



20.1_n20CM_IB_Pos_VS_5p0

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	10 uA
Min Limit	-10 uA
krad	0 30
LL	-10.000 -10.000
Min	-0.012 -0.387
Average	-0.012 -0.121
Max	-0.012 0.109
UL	10.000 10.000

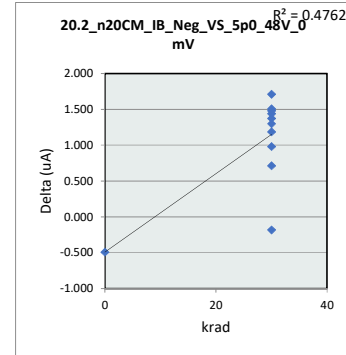


HDR Char TID Report INA950A1MPWTSEP

20.2_n20CM_IB_Neg_VS_5p0_4

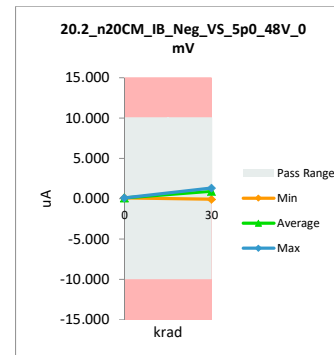
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	10	10
Min Limit	-10	-10

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-0.704	0.735	1.439	-204.40%	7.20%
30	2	-0.278	1.202	1.480	-532.37%	7.40%
30	3	-0.292	1.215	1.507	-516.10%	7.54%
30	4	-0.157	1.142	1.299	-827.39%	6.49%
30	5	-0.658	1.053	1.711	-260.03%	8.55%
30	6	-0.253	0.460	0.713	-281.82%	3.56%
30	7	-0.011	1.176	1.187	-10790.91%	5.93%
30	8	0.092	-0.090	-0.182	-197.83%	0.91%
30	9	-0.569	0.805	1.374	-241.48%	6.87%
30	10	0.325	1.305	0.980	301.54%	4.90%
0	11	0.574	0.081	-0.493	-85.89%	2.47%
Max		0.574	1.305	1.711	301.54%	8.55%
Average		-0.176	0.826	1.001	-1239.70%	5.62%
Min		-0.704	-0.090	-0.493	-10790.91%	0.91%
Std Dev		0.401	0.483	0.718	3180.52%	2.39%



20.2_n20CM_IB_Neg_VS_5p0

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	10 uA
Min Limit	-10 uA
krad	0 30
LL	-10.000 -10.000
Min	0.081 -0.090
Average	0.081 0.900
Max	0.081 1.305
UL	10.000 10.000

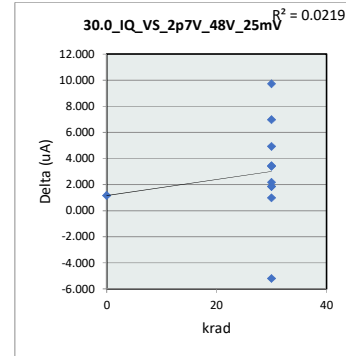


HDR Char TID Report INA950A1MPWTSEP

30.0_IQ_VS_2p7V_48V_25mV

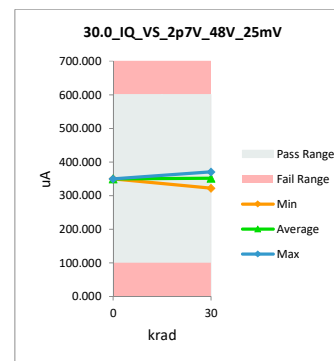
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	600	600
Min Limit	100	100

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	359.032	360.007	0.975	0.27%	0.19%
30	2	326.921	321.722	-5.199	-1.59%	1.04%
30	3	365.316	370.235	4.919	1.35%	0.98%
30	4	354.658	358.058	3.400	0.96%	0.68%
30	5	345.540	347.391	1.851	0.54%	0.37%
30	6	345.510	347.683	2.173	0.63%	0.43%
30	7	351.190	353.041	1.851	0.53%	0.37%
30	8	346.434	356.159	9.725	2.81%	1.95%
30	9	352.749	359.714	6.965	1.97%	1.39%
30	10	340.157	343.592	3.435	1.01%	0.69%
0	11	348.527	349.680	1.153	0.33%	0.23%
Max		365.316	370.235	9.725	2.81%	1.95%
Average		348.730	351.571	2.841	0.80%	0.76%
Min		326.921	321.722	-5.199	-1.59%	0.19%
Std Dev		10.068	12.417	3.778	1.10%	0.54%



30.0_IQ_VS_2p7V_48V_25mV

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	600 uA
Min Limit	100 uA
krad	0 30
LL	100.000 100.000
Min	349.680 321.722
Average	349.680 351.760
Max	349.680 370.235
UL	600.000 600.000

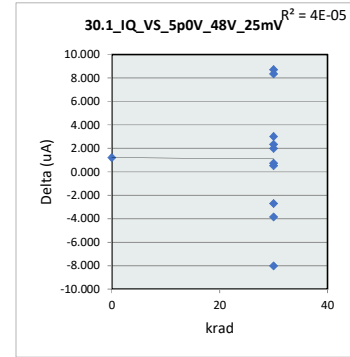


HDR Char TID Report INA950A1MPWTSEP

30.1_IQ_VS_5p0V_48V_25mV

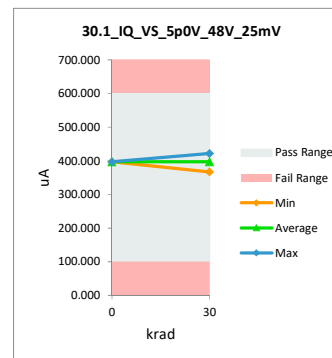
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	600	600
Min Limit	100	100

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	406.036	402.188	-3.848	-0.95%	0.77%
30	2	374.949	366.923	-8.026	-2.14%	1.61%
30	3	413.635	421.964	8.329	2.01%	1.67%
30	4	401.275	404.283	3.008	0.75%	0.60%
30	5	393.080	393.810	0.730	0.19%	0.15%
30	6	394.900	392.203	-2.697	-0.68%	0.54%
30	7	394.346	396.343	1.997	0.51%	0.40%
30	8	391.640	400.337	8.697	2.22%	1.74%
30	9	402.383	404.721	2.338	0.58%	0.47%
30	10	389.548	390.060	0.512	0.13%	0.10%
0	11	395.533	396.733	1.200	0.30%	0.24%
Max		413.635	421.964	8.697	2.22%	1.74%
Average		396.120	397.233	1.113	0.27%	0.75%
Min		374.949	366.923	-8.026	-2.14%	0.10%
Std Dev		9.983	13.266	4.885	1.24%	0.62%



30.1_IQ_VS_5p0V_48V_25mV

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	600 uA
Min Limit	100 uA
krad	0 30
LL	100.000 100.000
Min	396.733 366.923
Average	396.733 397.283
Max	396.733 421.964
UL	600.000 600.000

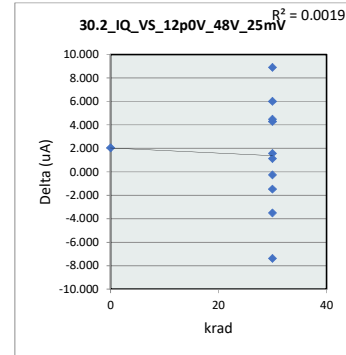


HDR Char TID Report INA950A1MPWTSEP

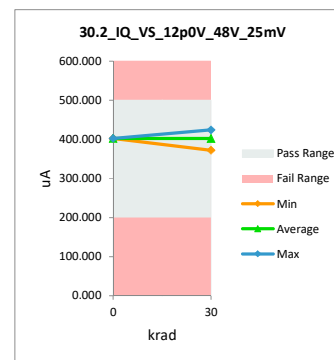
30.2_IQ_VS_12p0V_48V_25mV

Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	500	500
Min Limit	200	200

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	410.761	407.254	-3.507	-0.85%	1.17%
30	2	379.864	372.476	-7.388	-1.94%	2.46%
30	3	418.408	424.399	5.991	1.43%	2.00%
30	4	406.433	410.907	4.474	1.10%	1.49%
30	5	394.444	395.564	1.120	0.28%	0.37%
30	6	399.523	398.048	-1.475	-0.37%	0.49%
30	7	400.483	402.042	1.559	0.39%	0.52%
30	8	398.258	407.156	8.898	2.23%	2.97%
30	9	406.280	410.566	4.286	1.05%	1.43%
30	10	394.462	394.200	-0.262	-0.07%	0.09%
0	11	400.593	402.627	2.034	0.51%	0.68%
Max		418.408	424.399	8.898	2.23%	2.97%
Average		400.864	402.294	1.430	0.34%	1.24%
Min		379.864	372.476	-7.388	-1.94%	0.09%
Std Dev		9.990	13.029	4.560	1.15%	0.93%



30.2_IQ_VS_12p0V_48V_25m		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	500	uA
Min Limit	200	uA
krad	0	30
LL	200.000	200.000
Min	402.627	372.476
Average	402.627	402.261
Max	402.627	424.399
UL	500.000	500.000

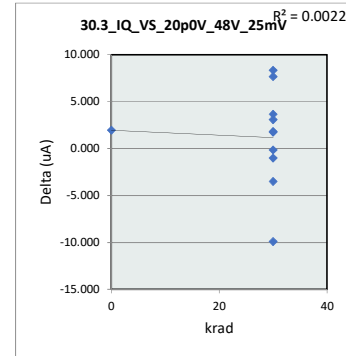


HDR Char TID Report INA950A1MPWTSEP

30.3 IQ_VS_20p0V_48V_25mV

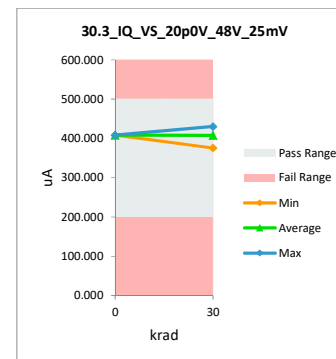
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	500	500
Min Limit	200	200

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	416.168	416.021	-0.147	-0.04%	0.05%
30	2	385.509	375.593	-9.916	-2.57%	3.31%
30	3	422.597	430.244	7.647	1.81%	2.55%
30	4	411.104	414.755	3.651	0.89%	1.22%
30	5	402.139	401.117	-1.022	-0.25%	0.34%
30	6	406.773	403.260	-3.513	-0.86%	1.17%
30	7	405.159	406.962	1.803	0.45%	0.60%
30	8	404.438	412.758	8.320	2.06%	2.77%
30	9	410.858	413.927	3.069	0.75%	1.02%
30	10	400.253	401.993	1.740	0.43%	0.58%
0	11	406.433	408.374	1.941	0.48%	0.65%
Max		422.597	430.244	8.320	2.06%	3.31%
Average		406.494	407.728	1.234	0.28%	1.30%
Min		385.509	375.593	-9.916	-2.57%	0.05%
Std Dev		9.474	13.487	5.055	1.27%	1.08%



30.3 IQ_VS_20p0V_48V_25m

Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	500	uA
Min Limit	200	uA
krad	0	30
LL	200.000	200.000
Min	408.374	375.593
Average	408.374	407.663
Max	408.374	430.244
UL	500.000	500.000

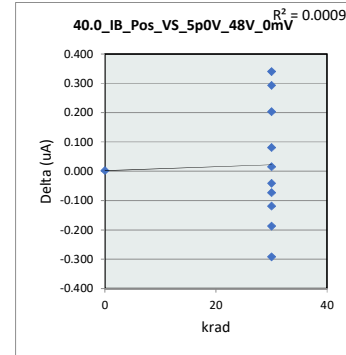


HDR Char TID Report INA950A1MPWTSEP

40.0_IB_Pos_VS_5p0V_48V_0mV

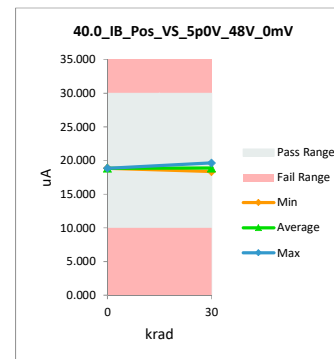
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	10	10

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	19.765	19.646	-0.119	-0.60%	0.59%
30	2	18.886	18.594	-0.292	-1.55%	1.46%
30	3	18.546	18.886	0.340	1.83%	1.70%
30	4	18.843	19.136	0.293	1.55%	1.46%
30	5	19.590	19.403	-0.187	-0.95%	0.94%
30	6	18.657	18.672	0.015	0.08%	0.08%
30	7	18.950	19.031	0.081	0.43%	0.40%
30	8	18.227	18.430	0.203	1.11%	1.02%
30	9	18.950	18.909	-0.041	-0.22%	0.21%
30	10	18.436	18.363	-0.073	-0.40%	0.36%
0	11	18.870	18.872	0.002	0.01%	0.01%
Max		19.765	19.646	0.340	1.83%	1.70%
Average		18.884	18.904	0.020	0.12%	0.75%
Min		18.227	18.363	-0.292	-1.55%	0.01%
Std Dev		0.456	0.392	0.197	1.05%	0.60%



40.0_IB_Pos_VS_5p0V_48V_0

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	30 uA
Min Limit	10 uA
krad	0 30
LL	10.000 10.000
Min	18.872 18.363
Average	18.872 18.907
Max	18.872 19.646
UL	30.000 30.000

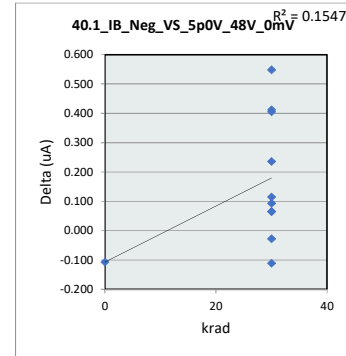


HDR Char TID Report INA950A1MPWTSEP

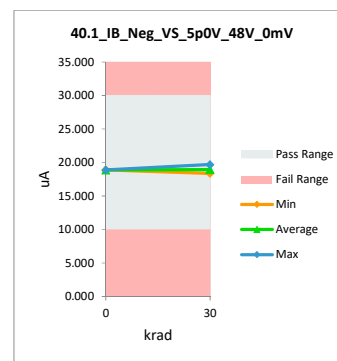
40.1_IB_Neg_VS_5p0V_48V_0mV

Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	10	10

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	19.620	19.685	0.065	0.33%	0.32%
30	2	18.754	18.643	-0.111	-0.59%	0.56%
30	3	18.416	18.964	0.548	2.98%	2.74%
30	4	18.759	19.164	0.405	2.16%	2.02%
30	5	19.470	19.442	-0.028	-0.14%	0.14%
30	6	18.613	18.706	0.093	0.50%	0.46%
30	7	18.852	19.088	0.236	1.25%	1.18%
30	8	18.041	18.453	0.412	2.28%	2.06%
30	9	18.827	18.942	0.115	0.61%	0.57%
30	10	18.308	18.373	0.065	0.36%	0.32%
0	11	18.984	18.877	-0.107	-0.56%	0.53%
Max		19.620	19.685	0.548	2.98%	2.74%
Average		18.786	18.940	0.154	0.83%	0.99%
Min		18.041	18.373	-0.111	-0.59%	0.14%
Std Dev		0.465	0.398	0.220	1.19%	0.88%



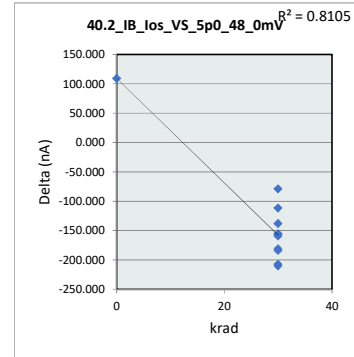
40.1_IB_Neg_VS_5p0V_48V_0mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	30	uA
Min Limit	10	uA
krad	0	30
LL	10.000	10.000
Min	18.877	18.373
Average	18.877	18.946
Max	18.877	19.685
UL	30.000	30.000



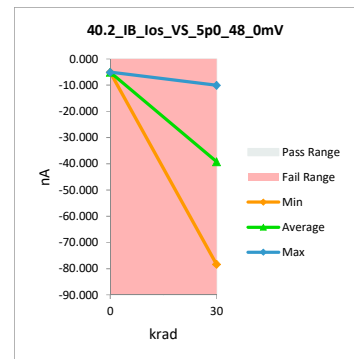
HDR Char TID Report INA950A1MPWTSEP

40.2_IB_Ios_VS_5p0_48_0mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nA	nA
Max Limit	0	0
Min Limit	0	0

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	144.448	-39.378	-183.826	-127.26%	#DIV/0!
30	2	132.026	-48.838	-180.864	-136.99%	#DIV/0!
30	3	129.070	-78.293	-207.363	-160.66%	#DIV/0!
30	4	83.914	-27.642	-111.556	-132.94%	#DIV/0!
30	5	119.854	-39.406	-159.260	-132.88%	#DIV/0!
30	6	44.161	-34.576	-78.737	-178.30%	#DIV/0!
30	7	98.154	-57.634	-155.788	-158.72%	#DIV/0!
30	8	186.586	-23.792	-210.378	-112.75%	#DIV/0!
30	9	123.220	-32.583	-155.803	-126.44%	#DIV/0!
30	10	128.140	-10.038	-138.178	-107.83%	#DIV/0!
0	11	-114.445	-5.064	109.381	-95.58%	#DIV/0!
	Max	186.586	-5.064	109.381	-95.58%	#DIV/0!
	Average	97.739	-36.113	-133.852	-133.67%	#DIV/0!
	Min	-114.445	-78.293	-210.378	-178.30%	#DIV/0!
	Std Dev	78.981	20.756	89.606	24.51%	#DIV/0!



40.2_IB_Ios_VS_5p0_48_0mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	0	nA
Min Limit	0	nA
krad	0	30
LL	0.000	0.000
Min	-5.064	-78.293
Average	-5.064	-39.218
Max	-5.064	-10.038
UL	0.000	0.000

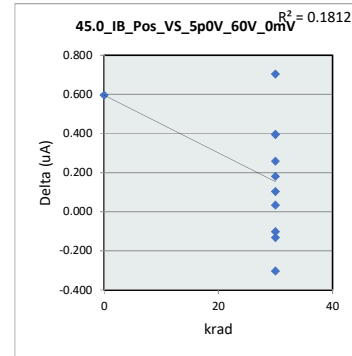


HDR Char TID Report INA950A1MPWTSEP

45.0_IB_Pos_VS_5p0V_60V_0m

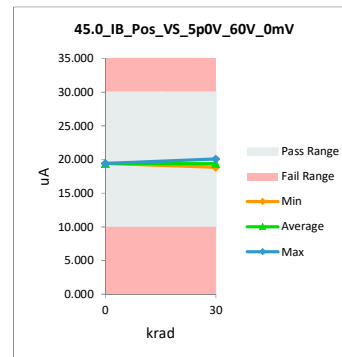
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	10	10

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	20.221	20.089	-0.132	-0.65%	0.66%
30	2	19.190	19.294	0.104	0.54%	0.52%
30	3	19.089	19.270	0.181	0.95%	0.90%
30	4	19.000	19.704	0.704	3.71%	3.52%
30	5	20.021	19.919	-0.102	-0.51%	0.51%
30	6	18.796	19.055	0.259	1.38%	1.30%
30	7	19.592	19.289	-0.303	-1.55%	1.51%
30	8	18.436	18.831	0.395	2.14%	1.97%
30	9	19.397	19.431	0.034	0.18%	0.17%
30	10	18.552	18.948	0.396	2.13%	1.98%
0	11	18.825	19.421	0.596	3.17%	2.98%
Max		20.221	20.089	0.704	3.71%	3.52%
Average		19.193	19.386	0.194	1.04%	1.46%
Min		18.436	18.831	-0.303	-1.55%	0.17%
Std Dev		0.572	0.390	0.313	1.65%	1.07%



45.0_IB_Pos_VS_5p0V_60V_0

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	30 uA
Min Limit	10 uA
krad	0 30
LL	10.000 10.000
Min	19.421 18.831
Average	19.421 19.383
Max	19.421 20.089
UL	30.000 30.000



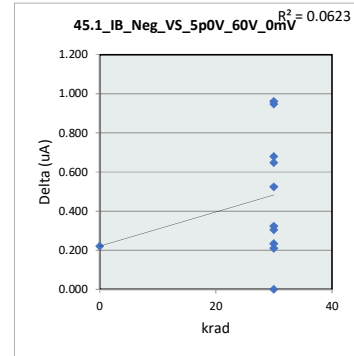
HDR Char TID Report

INA950A1MPWTSEP

45.1_IB_Neg_VS_5p0V_60V_0mV

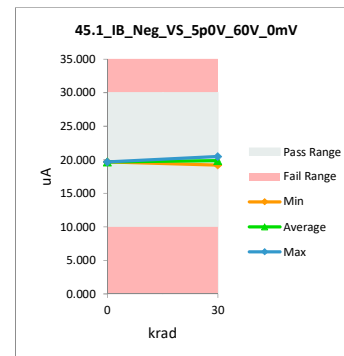
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	10	10

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	20.470	20.470	0.000	0.00%	0.00%
30	2	19.186	19.490	0.304	1.58%	1.52%
30	3	19.051	20.012	0.961	5.04%	4.80%
30	4	19.240	20.187	0.947	4.92%	4.74%
30	5	20.183	20.417	0.234	1.16%	1.17%
30	6	18.976	19.500	0.524	2.76%	2.62%
30	7	19.617	20.265	0.648	3.30%	3.24%
30	8	18.567	19.246	0.679	3.66%	3.40%
30	9	19.651	19.861	0.210	1.07%	1.05%
30	10	18.899	19.222	0.323	1.71%	1.61%
0	11	19.464	19.685	0.221	1.14%	1.10%
Max		20.470	20.470	0.961	5.04%	4.80%
Average		19.391	19.850	0.459	2.40%	2.30%
Min		18.567	19.222	0.000	0.00%	0.00%
Std Dev		0.565	0.453	0.316	1.66%	1.58%



45.1_IB_Neg_VS_5p0V_60V_0mV

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	30 uA
Min Limit	10 uA
krad	0 30
LL	10.000 10.000
Min	19.685 19.222
Average	19.685 19.867
Max	19.685 20.470
UL	30.000 30.000

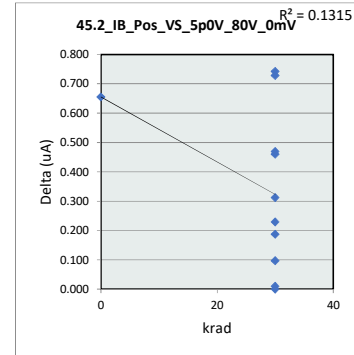


HDR Char TID Report INA950A1MPWTSEP

45.2_IB_Pos_VS_5p0V_80V_0m

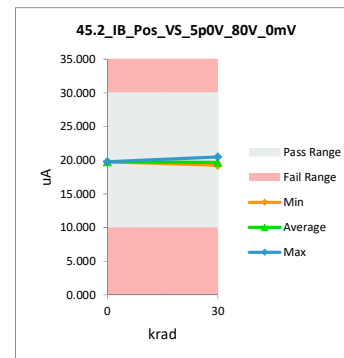
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	10	10

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	20.499	20.499	0.000	0.00%	0.00%
30	2	19.297	19.484	0.187	0.97%	0.93%
30	3	19.236	19.548	0.312	1.62%	1.56%
30	4	19.215	19.943	0.728	3.79%	3.64%
30	5	20.202	20.299	0.097	0.48%	0.49%
30	6	18.937	19.397	0.460	2.43%	2.30%
30	7	19.509	19.738	0.229	1.17%	1.15%
30	8	18.523	19.265	0.742	4.01%	3.71%
30	9	19.514	19.524	0.010	0.05%	0.05%
30	10	18.767	19.236	0.469	2.50%	2.34%
0	11	19.137	19.792	0.655	3.42%	3.28%
Max		20.499	20.499	0.742	4.01%	3.71%
Average		19.349	19.702	0.354	1.86%	1.77%
Min		18.523	19.236	0.000	0.00%	0.00%
Std Dev		0.581	0.408	0.276	1.46%	1.38%



45.2_IB_Pos_VS_5p0V_80V_0

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	30 uA
Min Limit	10 uA
krad	0 30
LL	10.000 10.000
Min	19.792 19.236
Average	19.792 19.693
Max	19.792 20.499
UL	30.000 30.000

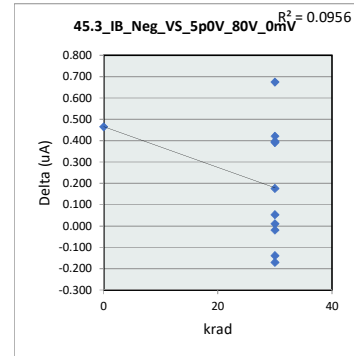


HDR Char TID Report INA950A1MPWTSEP

45.3_IB_Neg_VS_5p0V_80V_0mV

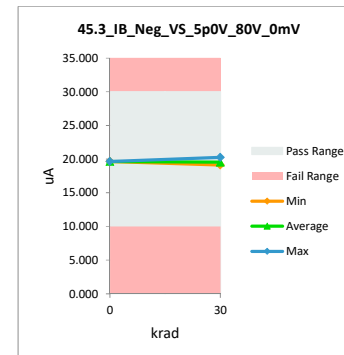
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	10	10

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	20.236	20.246	0.010	0.05%	0.05%
30	2	19.249	19.110	-0.139	-0.72%	0.69%
30	3	19.261	19.437	0.176	0.91%	0.88%
30	4	19.274	19.695	0.421	2.18%	2.10%
30	5	20.275	20.105	-0.170	-0.84%	0.85%
30	6	19.050	19.446	0.396	2.08%	1.98%
30	7	19.549	19.602	0.053	0.27%	0.26%
30	8	18.504	19.178	0.674	3.64%	3.37%
30	9	19.402	19.383	-0.019	-0.10%	0.10%
30	10	18.733	19.124	0.391	2.09%	1.96%
0	11	19.196	19.661	0.465	2.42%	2.33%
	Max	20.275	20.246	0.674	3.64%	3.37%
	Average	19.339	19.544	0.205	1.09%	1.32%
	Min	18.504	19.110	-0.170	-0.84%	0.05%
	Std Dev	0.540	0.373	0.279	1.47%	1.08%



45.3_IB_Neg_VS_5p0V_80V_0mV

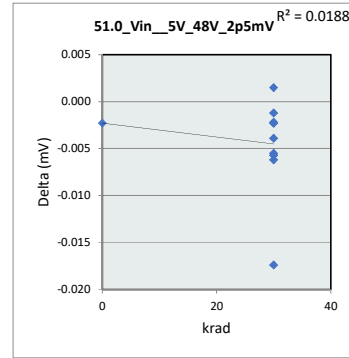
Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	30 uA
Min Limit	10 uA
krad	0 30
LL	10.000 10.000
Min	19.661 19.110
Average	19.661 19.533
Max	19.661 20.246
UL	30.000 30.000



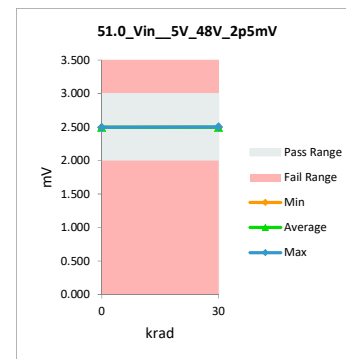
HDR Char TID Report INA950A1MPWTSEP

51.0_Vin_5V_48V_2p5mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	3	3
Min Limit	10	2

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	2.520	2.503	-0.017	-0.69%	0.25%
30	2	2.498	2.500	0.001	0.06%	0.02%
30	3	2.501	2.497	-0.004	-0.16%	0.06%
30	4	2.497	2.496	-0.001	-0.05%	0.02%
30	5	2.501	2.495	-0.006	-0.22%	0.08%
30	6	2.497	2.495	-0.002	-0.09%	0.03%
30	7	2.501	2.495	-0.006	-0.23%	0.08%
30	8	2.497	2.495	-0.002	-0.09%	0.03%
30	9	2.501	2.495	-0.006	-0.25%	0.09%
30	10	2.497	2.495	-0.002	-0.09%	0.03%
0	11	2.497	2.495	-0.002	-0.09%	0.03%
Max		2.520	2.503	0.001	0.06%	0.25%
Average		2.501	2.496	-0.004	-0.17%	0.07%
Min		2.497	2.495	-0.017	-0.69%	0.02%
Std Dev		0.007	0.003	0.005	0.19%	0.07%



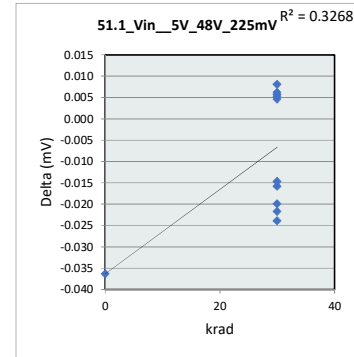
51.0_Vin_5V_48V_2p5mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	3	mV
Min Limit	2	mV
krad	0	30
LL	2.000	2.000
Min	2.495	2.495
Average	2.495	2.496
Max	2.495	2.503
UL	3.000	3.000



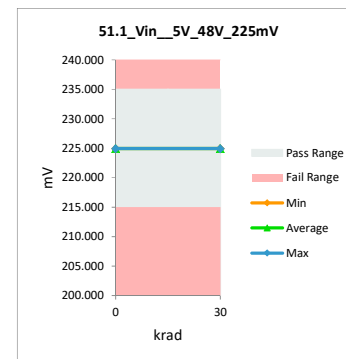
HDR Char TID Report INA950A1MPWTSEP

51.1_Vin_5V_48V_225mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	235	235
Min Limit	215	215

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	224.929	224.937	0.008	0.00%	0.04%
30	2	224.951	224.935	-0.016	-0.01%	0.08%
30	3	224.929	224.935	0.006	0.00%	0.03%
30	4	224.955	224.933	-0.022	-0.01%	0.11%
30	5	224.933	224.938	0.005	0.00%	0.03%
30	6	224.954	224.934	-0.020	-0.01%	0.10%
30	7	224.930	224.936	0.006	0.00%	0.03%
30	8	224.955	224.932	-0.024	-0.01%	0.12%
30	9	224.928	224.933	0.005	0.00%	0.02%
30	10	224.951	224.936	-0.015	-0.01%	0.07%
0	11	224.970	224.934	-0.036	-0.02%	0.18%
Max		224.970	224.938	0.008	0.00%	0.18%
Average		224.944	224.935	-0.009	0.00%	0.07%
Min		224.928	224.932	-0.036	-0.02%	0.02%
Std Dev		0.015	0.002	0.016	0.01%	0.05%



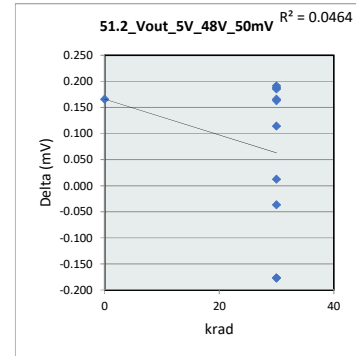
51.1_Vin_5V_48V_225mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	235	mV
Min Limit	215	mV
krad	0	30
LL	215.000	215.000
Min	224.934	224.932
Average	224.934	224.935
Max	224.934	224.938
UL	235.000	235.000



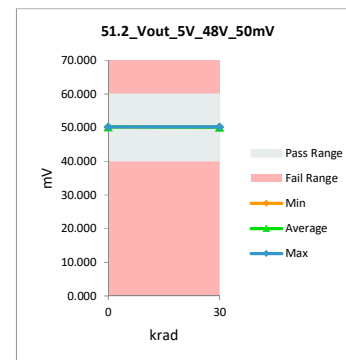
HDR Char TID Report INA950A1MPWTSEP

51.2_Vout_5V_48V_50mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	60	60
Min Limit	40	40

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	50.394	50.217	-0.177	-0.35%	0.88%
30	2	50.078	50.269	0.191	0.38%	0.96%
30	3	50.242	50.254	0.012	0.02%	0.06%
30	4	50.050	50.235	0.185	0.37%	0.93%
30	5	50.040	50.154	0.114	0.23%	0.57%
30	6	50.003	50.169	0.166	0.33%	0.83%
30	7	50.267	50.230	-0.036	-0.07%	0.18%
30	8	49.961	50.124	0.163	0.33%	0.81%
30	9	50.313	50.137	-0.177	-0.35%	0.88%
30	10	49.981	50.169	0.188	0.38%	0.94%
0	11	50.087	50.253	0.166	0.33%	0.83%
Max		50.394	50.269	0.191	0.38%	0.96%
Average		50.129	50.201	0.072	0.15%	0.72%
Min		49.961	50.124	-0.177	-0.35%	0.06%
Std Dev		0.149	0.052	0.144	0.29%	0.31%



51.2_Vout_5V_48V_50mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	60	mV
Min Limit	40	mV
krad	0	30
LL	40.000	40.000
Min	50.253	50.124
Average	50.253	50.196
Max	50.253	50.269
UL	60.000	60.000

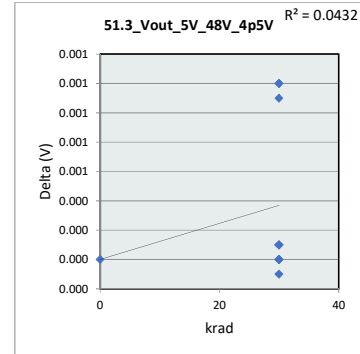


HDR Char TID Report INA950A1MPWTSEP

51.3_Vout_5V_48V_4p5V

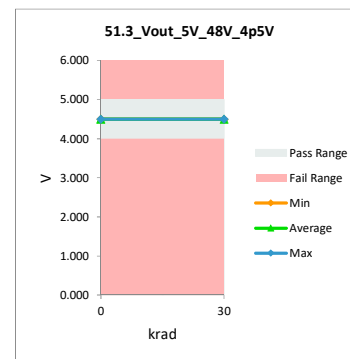
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	V	V
Max Limit	5	5
Min Limit	4	4

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	4.498	4.499	0.000	0.00%	0.01%
30	2	4.499	4.499	0.000	0.00%	0.00%
30	3	4.497	4.498	0.001	0.03%	0.12%
30	4	4.498	4.498	0.000	0.00%	0.00%
30	5	4.497	4.498	0.001	0.03%	0.12%
30	6	4.498	4.498	0.000	0.00%	0.01%
30	7	4.497	4.498	0.001	0.02%	0.11%
30	8	4.498	4.498	0.000	0.00%	0.01%
30	9	4.498	4.498	0.000	0.00%	0.01%
30	10	4.498	4.498	0.000	0.00%	0.00%
0	11	4.498	4.498	0.000	0.00%	0.00%
Max		4.499	4.499	0.001	0.03%	0.12%
Average		4.498	4.498	0.000	0.01%	0.04%
Min		4.497	4.498	0.000	0.00%	0.00%
Std Dev		0.001	0.000	0.001	0.01%	0.05%



51.3_Vout_5V_48V_4p5V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	5 V
Min Limit	4 V
krad	0 30
LL	4.000 4.000
Min	4.498 4.498
Average	4.498 4.498
Max	4.498 4.499
UL	5.000 5.000

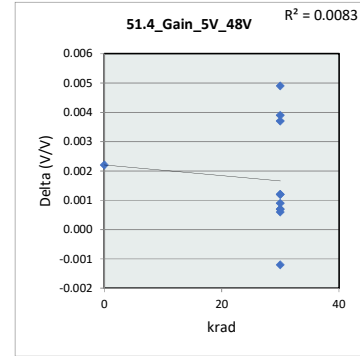


HDR Char TID Report INA950A1MPWTSEP

51.4_Gain_5V_48V

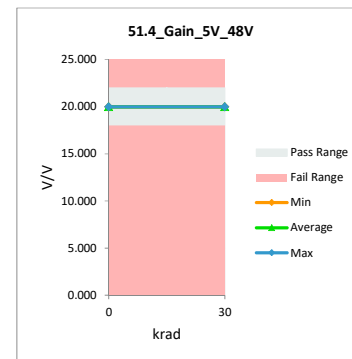
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	V/V	V/V
Max Limit	22	22
Min Limit	18	18

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	20.000	19.999	-0.001	-0.01%	0.03%
30	2	19.998	19.998	0.001	0.00%	0.02%
30	3	19.993	19.998	0.005	0.02%	0.12%
30	4	19.995	19.996	0.001	0.01%	0.03%
30	5	19.992	19.996	0.004	0.02%	0.09%
30	6	19.996	19.996	0.001	0.00%	0.02%
30	7	19.994	19.997	0.004	0.02%	0.10%
30	8	19.994	19.995	0.001	0.01%	0.03%
30	9	19.997	19.998	0.001	0.00%	0.02%
30	10	19.996	19.997	0.001	0.00%	0.01%
0	11	19.993	19.996	0.002	0.01%	0.06%
Max		20.000	19.999	0.005	0.02%	0.12%
Average		19.995	19.997	0.002	0.01%	0.05%
Min		19.992	19.995	-0.001	-0.01%	0.01%
Std Dev		0.002	0.001	0.002	0.01%	0.04%



51.4_Gain_5V_48V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	22 V/V
Min Limit	18 V/V
krad	0 30
LL	18.000 18.000
Min	19.996 19.995
Average	19.996 19.997
Max	19.996 19.999
UL	22.000 22.000

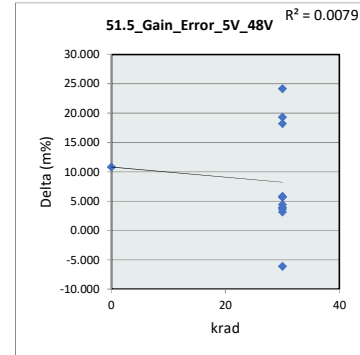


HDR Char TID Report INA950A1MPWTSEP

51.5_Gain_Error_5V_48V

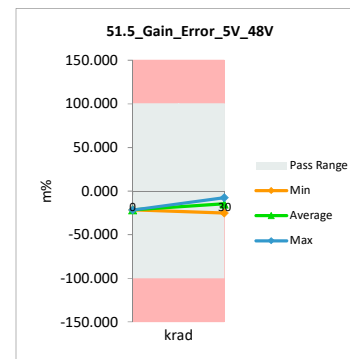
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	m%	m%
Max Limit	100	100
Min Limit	-100	-100

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-1.419	-7.538	-6.119	431.06%	3.06%
30	2	-11.628	-7.757	3.871	-33.29%	1.94%
30	3	-34.857	-10.692	24.166	-69.33%	12.08%
30	4	-24.463	-18.652	5.810	-23.75%	2.91%
30	5	-39.908	-21.700	18.208	-45.63%	9.10%
30	6	-22.451	-18.056	4.395	-19.58%	2.20%
30	7	-31.841	-12.539	19.302	-60.62%	9.65%
30	8	-30.768	-25.081	5.686	-18.48%	2.84%
30	9	-13.903	-10.270	3.633	-26.13%	1.82%
30	10	-17.952	-14.791	3.161	-17.61%	1.58%
0	11	-32.491	-21.674	10.817	-33.29%	5.41%
Max		-1.419	-7.538	24.166	431.06%	12.08%
Average		-23.789	-15.341	8.448	7.58%	4.78%
Min		-39.908	-25.081	-6.119	-69.33%	1.58%
Std Dev		11.636	6.063	8.837	141.51%	3.74%



51.5_Gain_Error_5V_48V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	100 m%
Min Limit	-100 m%
krad	0 30
LL	-100.000 -100.000
Min	-21.674 -25.081
Average	-21.674 -14.708
Max	-21.674 -7.538
UL	100.000 100.000

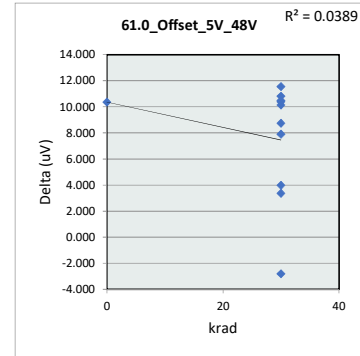


HDR Char TID Report INA950A1MPWTSEP

61.0_Offset_5V_48V

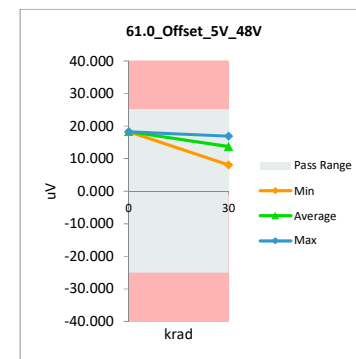
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uV	uV
Max Limit	25	25
Min Limit	-25	-25

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-0.679	8.050	8.729	-1285.25%	17.46%
30	2	6.119	14.019	7.900	129.10%	15.80%
30	3	12.331	16.306	3.975	32.23%	7.95%
30	4	5.805	16.181	10.376	178.74%	20.75%
30	5	2.385	13.191	10.807	453.16%	21.61%
30	6	3.543	14.020	10.477	295.69%	20.95%
30	7	13.533	16.896	3.363	24.85%	6.73%
30	8	1.559	11.695	10.136	649.97%	20.27%
30	9	15.262	12.451	-2.811	-18.42%	5.62%
30	10	2.429	13.976	11.547	475.41%	23.09%
0	11	7.921	18.271	10.350	130.65%	20.70%
	Max	15.262	18.271	11.547	649.97%	23.09%
	Average	6.383	14.096	7.713	96.92%	16.45%
	Min	-0.679	8.050	-2.811	-1285.25%	5.62%
	Std Dev	5.300	2.835	4.433	505.71%	6.54%



61.0_Offset_5V_48V

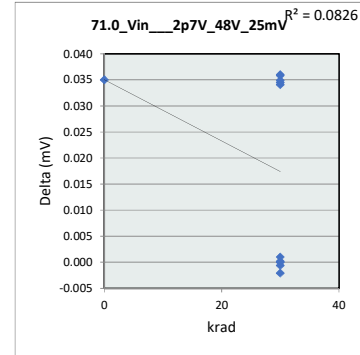
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	25 uV	
Min Limit	-25 uV	
krad	0	30
LL	-25.000	-25.000
Min	18.271	8.050
Average	18.271	13.679
Max	18.271	16.896
UL	25.000	25.000



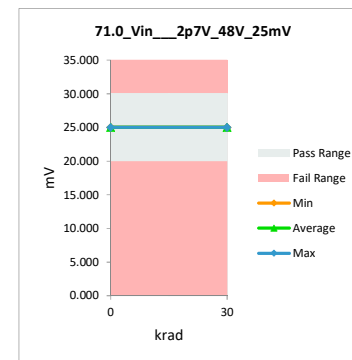
HDR Char TID Report INA950A1MPWTSEP

71.0_Vin__2p7V_48V_25mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	30	30
Min Limit	20	20

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	25.022	25.022	0.000	0.00%	0.00%
30	2	24.987	25.022	0.035	0.14%	0.35%
30	3	25.021	25.022	0.001	0.00%	0.01%
30	4	24.986	25.022	0.036	0.14%	0.36%
30	5	25.021	25.021	0.000	0.00%	0.00%
30	6	24.987	25.021	0.035	0.14%	0.35%
30	7	25.021	25.021	-0.001	0.00%	0.01%
30	8	24.986	25.021	0.034	0.14%	0.34%
30	9	25.022	25.020	-0.002	-0.01%	0.02%
30	10	24.986	25.021	0.036	0.14%	0.36%
0	11	24.986	25.021	0.035	0.14%	0.35%
Max		25.022	25.022	0.036	0.14%	0.36%
Average		25.002	25.021	0.019	0.08%	0.19%
Min		24.986	25.020	-0.002	-0.01%	0.00%
Std Dev		0.018	0.001	0.018	0.07%	0.18%



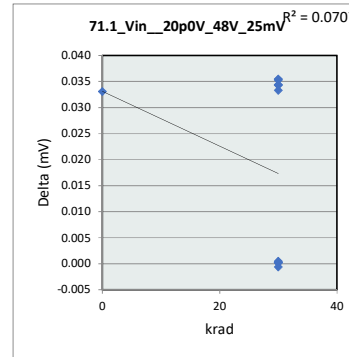
71.0_Vin__2p7V_48V_25mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	30	mV
Min Limit	20	mV
krad	0	30
LL	20.000	20.000
Min	25.021	25.020
Average	25.021	25.021
Max	25.021	25.022
UL	30.000	30.000



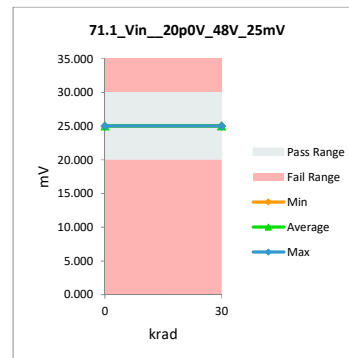
HDR Char TID Report INA950A1MPWTSEP

71.1_Vin_20p0V_48V_25mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	30	30
Min Limit	20	20

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	25.022	25.021	-0.001	0.00%	0.01%
30	2	24.987	25.022	0.035	0.14%	0.35%
30	3	25.022	25.022	0.000	0.00%	0.00%
30	4	24.988	25.021	0.033	0.13%	0.33%
30	5	25.021	25.022	0.000	0.00%	0.00%
30	6	24.987	25.021	0.034	0.14%	0.34%
30	7	25.021	25.022	0.000	0.00%	0.00%
30	8	24.987	25.021	0.034	0.14%	0.34%
30	9	25.021	25.021	0.000	0.00%	0.00%
30	10	24.986	25.022	0.036	0.14%	0.36%
0	11	24.987	25.020	0.033	0.13%	0.33%
	Max	25.022	25.022	0.036	0.14%	0.36%
	Average	25.003	25.021	0.019	0.08%	0.19%
	Min	24.986	25.020	-0.001	0.00%	0.00%
	Std Dev	0.018	0.001	0.018	0.07%	0.18%



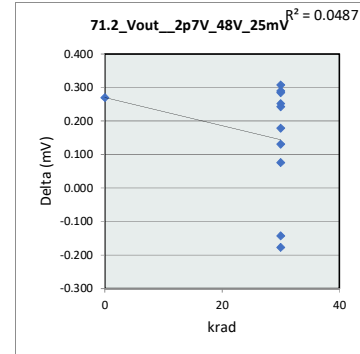
71.1_Vin_20p0V_48V_25mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	30	mV
Min Limit	20	mV
krad	0	30
LL	20.000	20.000
Min	25.020	25.021
Average	25.020	25.022
Max	25.020	25.022
UL	30.000	30.000



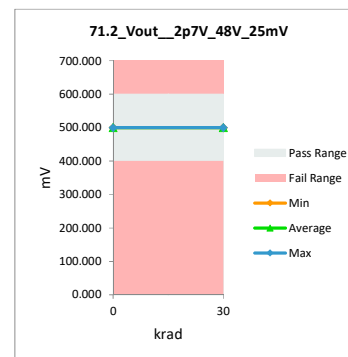
HDR Char TID Report INA950A1MPWTSEP

71.2_Vout_2p7V_48V_25mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	600	600
Min Limit	400	400

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	500.088	499.910	-0.177	-0.04%	0.09%
30	2	499.639	499.946	0.307	0.06%	0.15%
30	3	499.806	499.937	0.131	0.03%	0.07%
30	4	499.578	499.862	0.284	0.06%	0.14%
30	5	499.600	499.779	0.179	0.04%	0.09%
30	6	499.544	499.796	0.252	0.05%	0.13%
30	7	499.817	499.892	0.076	0.02%	0.04%
30	8	499.498	499.741	0.242	0.05%	0.12%
30	9	499.979	499.836	-0.143	-0.03%	0.07%
30	10	499.553	499.842	0.289	0.06%	0.14%
0	11	499.576	499.846	0.270	0.05%	0.13%
Max		500.088	499.946	0.307	0.06%	0.15%
Average		499.698	499.853	0.155	0.03%	0.11%
Min		499.498	499.741	-0.177	-0.04%	0.04%
Std Dev		0.196	0.065	0.172	0.03%	0.04%



71.2_Vout_2p7V_48V_25mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	600	mV
Min Limit	400	mV
krad	0	30
LL	400.000	400.000
Min	499.846	499.741
Average	499.846	499.854
Max	499.846	499.946
UL	600.000	600.000

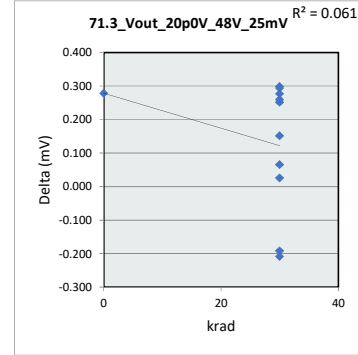


HDR Char TID Report INA950A1MPWTSEP

71.3_Vout_20p0V_48V_25mV

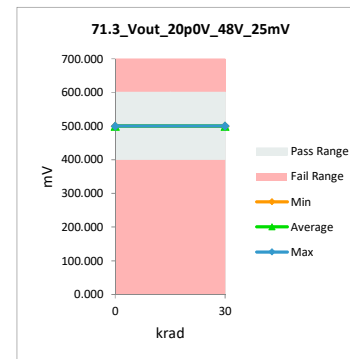
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	600	600
Min Limit	400	400

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	500.095	499.886	-0.208	-0.04%	0.10%
30	2	499.655	499.949	0.294	0.06%	0.15%
30	3	499.874	499.940	0.065	0.01%	0.03%
30	4	499.589	499.849	0.260	0.05%	0.13%
30	5	499.625	499.777	0.151	0.03%	0.08%
30	6	499.544	499.821	0.277	0.06%	0.14%
30	7	499.872	499.898	0.026	0.01%	0.01%
30	8	499.469	499.721	0.252	0.05%	0.13%
30	9	499.998	499.806	-0.192	-0.04%	0.10%
30	10	499.533	499.832	0.299	0.06%	0.15%
0	11	499.591	499.869	0.278	0.06%	0.14%
Max		500.095	499.949	0.299	0.06%	0.15%
Average		499.713	499.850	0.136	0.03%	0.10%
Min		499.469	499.721	-0.208	-0.04%	0.01%
Std Dev		0.210	0.069	0.191	0.04%	0.05%



71.3_Vout_20p0V_48V_25mV

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	600 mV
Min Limit	400 mV
krad	0 30
LL	400.000 400.000
Min	499.869 499.721
Average	499.869 499.848
Max	499.869 499.949
UL	600.000 600.000

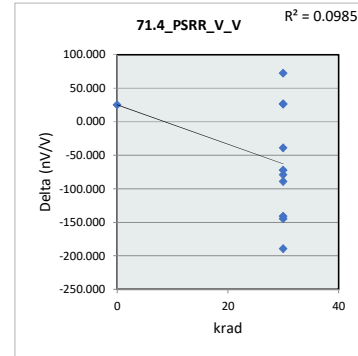


HDR Char TID Report INA950A1MPWTSEP

71.4_PSRR_V_V

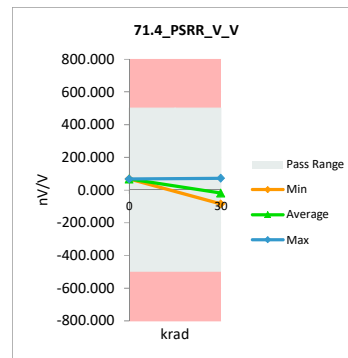
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nV/V	nV/V
Max Limit	500	500
Min Limit	-500	-500

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	20.420	-68.682	-89.101	-436.35%	8.91%
30	2	47.346	8.184	-39.162	-82.71%	3.92%
30	3	198.224	8.796	-189.428	-95.56%	18.94%
30	4	33.200	-39.012	-72.212	-217.50%	7.22%
30	5	71.918	-7.114	-79.032	-109.89%	7.90%
30	6	-0.229	72.210	72.440	-31564.18%	7.24%
30	7	161.572	16.980	-144.591	-89.49%	14.46%
30	8	-83.543	-57.373	26.170	-31.33%	2.62%
30	9	56.294	-84.669	-140.963	-250.40%	14.10%
30	10	-55.687	-29.296	26.391	-47.39%	2.64%
0	11	42.919	68.079	25.159	58.62%	2.52%
Max		198.224	72.210	72.440	58.62%	18.94%
Average		44.767	-10.172	-54.939	-2987.84%	8.22%
Min		-83.543	-84.669	-189.428	-31564.18%	2.52%
Std Dev		82.084	51.722	84.649	9478.62%	5.52%



71.4_PSRR_V_V

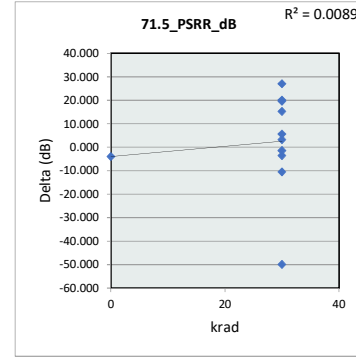
Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	500 nV/V
Min Limit	-500 nV/V
krad	0 30
LL	-500.000 -500.000
Min	68.079 -84.669
Average	68.079 -17.998
Max	68.079 72.210
UL	500.000 500.000



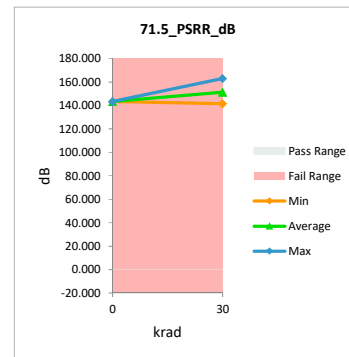
HDR Char TID Report INA950A1MPWTSEP

71.5_PSRR_dB		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	dB	dB
Max Limit	0	0
Min Limit	0	0

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	153.799	143.263	-10.536	-6.85%	#DIV/0!
30	2	146.494	161.741	15.247	10.41%	#DIV/0!
30	3	134.057	161.114	27.057	20.18%	#DIV/0!
30	4	149.577	148.176	-1.401	-0.94%	#DIV/0!
30	5	142.863	162.957	20.094	14.07%	#DIV/0!
30	6	192.785	142.828	-49.957	-25.91%	#DIV/0!
30	7	135.833	155.401	19.568	14.41%	#DIV/0!
30	8	141.562	144.826	3.264	2.31%	#DIV/0!
30	9	144.991	141.446	-3.545	-2.44%	#DIV/0!
30	10	145.085	150.664	5.579	3.85%	#DIV/0!
0	11	147.347	143.340	-4.007	-2.72%	#DIV/0!
Max		192.785	162.957	27.057	20.18%	#DIV/0!
Average		148.581	150.523	1.942	2.40%	#DIV/0!
Min		134.057	141.446	-49.957	-25.91%	#DIV/0!
Std Dev		15.712	8.368	20.949	12.69%	#DIV/0!



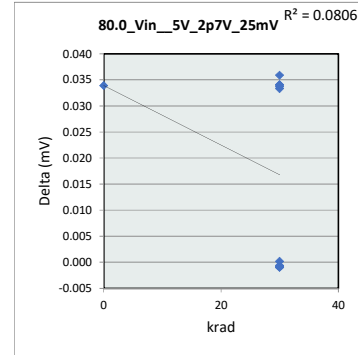
71.5_PSRR_dB		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	0	dB
Min Limit	0	dB
krad	0	30
LL	0.000	0.000
Min	143.340	141.446
Average	143.340	151.242
Max	143.340	162.957
UL	0.000	0.000



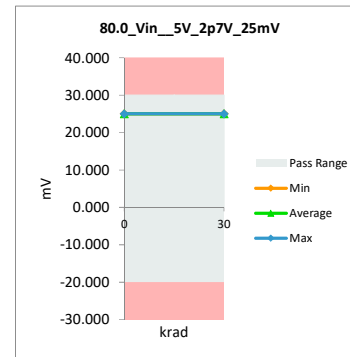
HDR Char TID Report INA950A1MPWTSEP

80.0_Vin_5V_2p7V_25mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	30	30
Min Limit	-20	-20

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	25.022	25.021	-0.001	0.00%	0.00%
30	2	24.987	25.021	0.034	0.14%	0.07%
30	3	25.021	25.022	0.000	0.00%	0.00%
30	4	24.987	25.021	0.033	0.13%	0.07%
30	5	25.022	25.021	-0.001	0.00%	0.00%
30	6	24.987	25.021	0.034	0.13%	0.07%
30	7	25.021	25.020	-0.001	0.00%	0.00%
30	8	24.986	25.022	0.036	0.14%	0.07%
30	9	25.021	25.020	-0.001	0.00%	0.00%
30	10	24.986	25.020	0.034	0.14%	0.07%
0	11	24.986	25.020	0.034	0.14%	0.07%
Max		25.022	25.022	0.036	0.14%	0.07%
Average		25.003	25.021	0.018	0.07%	0.04%
Min		24.986	25.020	-0.001	0.00%	0.00%
Std Dev		0.018	0.001	0.018	0.07%	0.03%



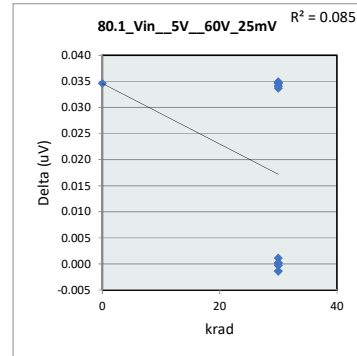
80.0_Vin_5V_2p7V_25mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	30	mV
Min Limit	-20	mV
krad	0	30
LL	-20.000	-20.000
Min	25.020	25.020
Average	25.020	25.021
Max	25.020	25.022
UL	30.000	30.000



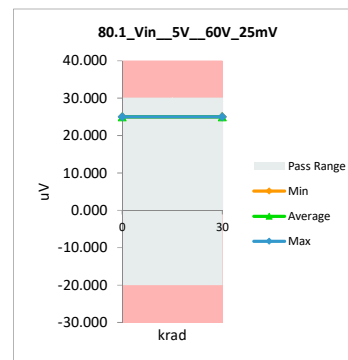
HDR Char TID Report INA950A1MPWTSEP

80.1_Vin_5V_60V_25mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uV	uV
Max Limit	30	30
Min Limit	-20	-20

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	25.023	25.023	0.000	0.00%	0.00%
30	2	24.989	25.023	0.034	0.14%	0.07%
30	3	25.022	25.023	0.001	0.00%	0.00%
30	4	24.988	25.022	0.035	0.14%	0.07%
30	5	25.023	25.021	-0.001	-0.01%	0.00%
30	6	24.988	25.022	0.035	0.14%	0.07%
30	7	25.023	25.022	0.000	0.00%	0.00%
30	8	24.988	25.023	0.035	0.14%	0.07%
30	9	25.022	25.022	0.000	0.00%	0.00%
30	10	24.988	25.021	0.034	0.13%	0.07%
0	11	24.987	25.022	0.035	0.14%	0.07%
Max		25.023	25.023	0.035	0.14%	0.07%
Average		25.004	25.022	0.019	0.08%	0.04%
Min		24.987	25.021	-0.001	-0.01%	0.00%
Std Dev		0.018	0.001	0.018	0.07%	0.04%



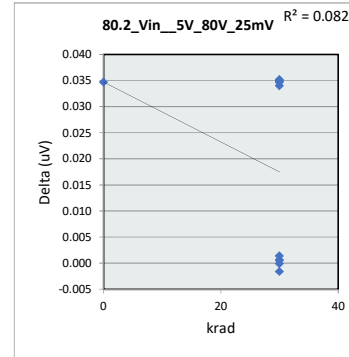
80.1_Vin_5V_60V_25mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	30	uV
Min Limit	-20	uV
krad	0	30
LL	-20.000	-20.000
Min	25.022	25.021
Average	25.022	25.022
Max	25.022	25.023
UL	30.000	30.000



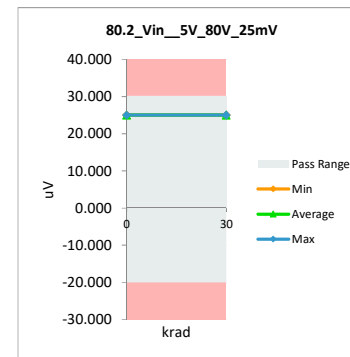
HDR Char TID Report INA950A1MPWTSEP

80.2_Vin_5V_80V_25mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uV	uV
Max Limit	30	30
Min Limit	-20	-20

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	25.023	25.023	0.001	0.00%	0.00%
30	2	24.989	25.023	0.034	0.14%	0.07%
30	3	25.022	25.023	0.001	0.01%	0.00%
30	4	24.988	25.023	0.035	0.14%	0.07%
30	5	25.023	25.023	0.001	0.00%	0.00%
30	6	24.988	25.023	0.035	0.14%	0.07%
30	7	25.023	25.022	-0.002	-0.01%	0.00%
30	8	24.988	25.022	0.035	0.14%	0.07%
30	9	25.023	25.023	0.000	0.00%	0.00%
30	10	24.988	25.023	0.035	0.14%	0.07%
0	11	24.987	25.022	0.035	0.14%	0.07%
Max		25.023	25.023	0.035	0.14%	0.07%
Average		25.004	25.023	0.019	0.08%	0.04%
Min		24.987	25.022	-0.002	-0.01%	0.00%
Std Dev		0.018	0.001	0.018	0.07%	0.04%



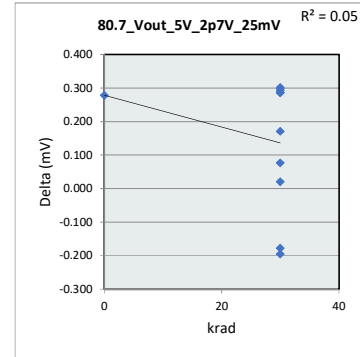
80.2_Vin_5V_80V_25mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	30	uV
Min Limit	-20	uV
krad	0	30
LL	-20.000	-20.000
Min	25.022	25.022
Average	25.022	25.023
Max	25.022	25.023
UL	30.000	30.000



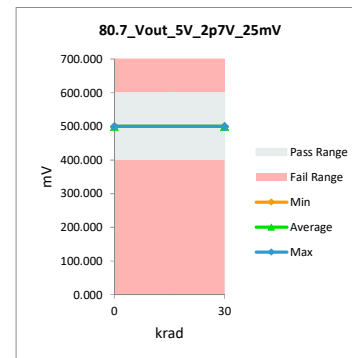
HDR Char TID Report INA950A1MPWTSEP

80.7_Vout_5V_2p7V_25mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	600	600
Min Limit	400	400

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	500.051	499.855	-0.195	-0.04%	0.10%
30	2	499.623	499.922	0.298	0.06%	0.15%
30	3	499.823	499.900	0.077	0.02%	0.04%
30	4	499.538	499.830	0.293	0.06%	0.15%
30	5	499.545	499.715	0.171	0.03%	0.09%
30	6	499.488	499.775	0.287	0.06%	0.14%
30	7	499.834	499.855	0.021	0.00%	0.01%
30	8	499.379	499.681	0.302	0.06%	0.15%
30	9	499.946	499.769	-0.177	-0.04%	0.09%
30	10	499.497	499.783	0.286	0.06%	0.14%
0	11	499.537	499.816	0.278	0.06%	0.14%
Max		500.051	499.922	0.302	0.06%	0.15%
Average		499.660	499.809	0.149	0.03%	0.11%
Min		499.379	499.681	-0.195	-0.04%	0.01%
Std Dev		0.217	0.074	0.192	0.04%	0.05%



80.7_Vout_5V_2p7V_25mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	600	mV
Min Limit	400	mV
krad	0	30
LL	400.000	400.000
Min	499.816	499.681
Average	499.816	499.809
Max	499.816	499.922
UL	600.000	600.000

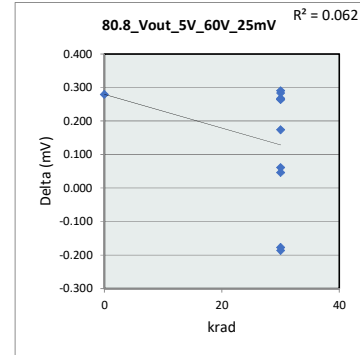


HDR Char TID Report INA950A1MPWTSEP

80.8_Vout_5V_60V_25mV

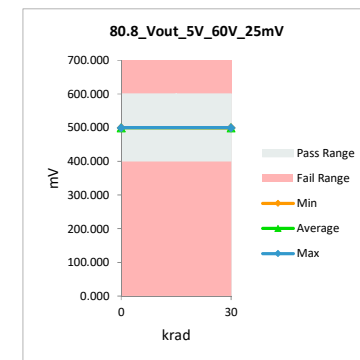
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	600	600
Min Limit	400	400

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	500.056	499.879	-0.177	-0.04%	0.09%
30	2	499.656	499.923	0.267	0.05%	0.13%
30	3	499.851	499.912	0.061	0.01%	0.03%
30	4	499.563	499.847	0.284	0.06%	0.14%
30	5	499.573	499.747	0.174	0.03%	0.09%
30	6	499.520	499.784	0.265	0.05%	0.13%
30	7	499.836	499.882	0.046	0.01%	0.02%
30	8	499.415	499.678	0.264	0.05%	0.13%
30	9	499.973	499.787	-0.186	-0.04%	0.09%
30	10	499.505	499.795	0.290	0.06%	0.15%
0	11	499.569	499.848	0.279	0.06%	0.14%
Max		500.056	499.923	0.290	0.06%	0.15%
Average		499.683	499.826	0.142	0.03%	0.10%
Min		499.415	499.678	-0.186	-0.04%	0.02%
Std Dev		0.211	0.075	0.183	0.04%	0.04%



80.8_Vout_5V_60V_25mV

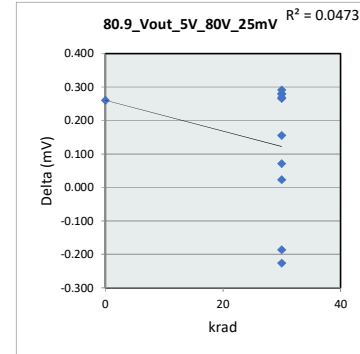
Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	600 mV
Min Limit	400 mV
krad	0 30
LL	400.000 400.000
Min	499.848 499.678
Average	499.848 499.823
Max	499.848 499.923
UL	600.000 600.000



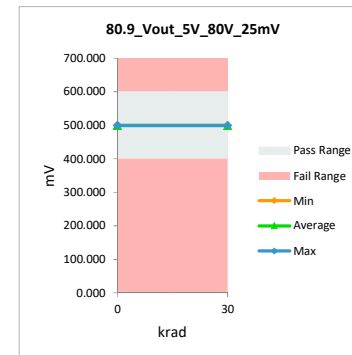
HDR Char TID Report INA950A1MPWTSEP

80.9_Vout_5V_80V_25mV		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	600	600
Min Limit	400	400

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	500.073	499.847	-0.226	-0.05%	0.11%
30	2	499.657	499.926	0.269	0.05%	0.13%
30	3	499.836	499.907	0.071	0.01%	0.04%
30	4	499.553	499.833	0.279	0.06%	0.14%
30	5	499.572	499.728	0.156	0.03%	0.08%
30	6	499.527	499.807	0.280	0.06%	0.14%
30	7	499.849	499.872	0.023	0.00%	0.01%
30	8	499.406	499.672	0.266	0.05%	0.13%
30	9	499.979	499.793	-0.186	-0.04%	0.09%
30	10	499.506	499.797	0.292	0.06%	0.15%
0	11	499.586	499.847	0.261	0.05%	0.13%
Max		500.073	499.926	0.292	0.06%	0.15%
Average		499.686	499.821	0.135	0.03%	0.10%
Min		499.406	499.672	-0.226	-0.05%	0.01%
Std Dev		0.215	0.074	0.192	0.04%	0.05%



80.9_Vout_5V_80V_25mV		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	600	mV
Min Limit	400	mV
krad	0	30
LL	400.000	400.000
Min	499.847	499.672
Average	499.847	499.818
Max	499.847	499.926
UL	600.000	600.000

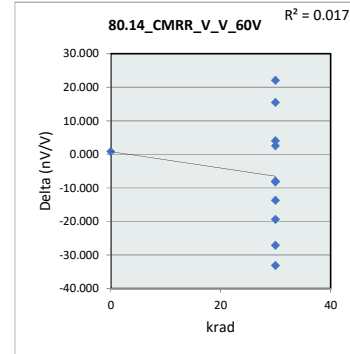


HDR Char TID Report INA950A1MPWTSEP

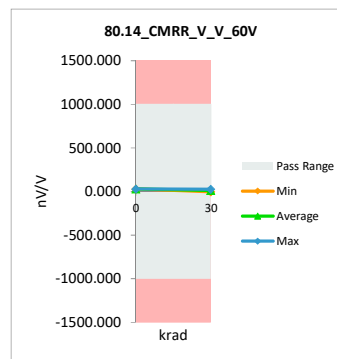
80.14_CMRR_V_V_60V

Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nV/V	nV/V
Max Limit	1000	1000
Min Limit	-1000	-1000

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	4.618	20.090	15.472	335.03%	0.77%
30	2	28.404	1.270	-27.134	-95.53%	1.36%
30	3	24.023	10.276	-13.746	-57.22%	0.69%
30	4	22.634	14.434	-8.199	-36.23%	0.41%
30	5	24.717	27.253	2.536	10.26%	0.13%
30	6	27.368	7.968	-19.400	-70.89%	0.97%
30	7	1.386	23.440	22.054	1591.32%	1.10%
30	8	31.181	-1.963	-33.144	-106.30%	1.66%
30	9	24.018	16.050	-7.968	-33.18%	0.40%
30	10	6.582	10.623	4.041	61.40%	0.20%
0	11	27.486	28.292	0.806	2.93%	0.04%
	Max	31.181	28.292	22.054	1591.32%	1.66%
	Average	20.220	14.339	-5.880	145.60%	0.70%
	Min	1.386	-1.963	-33.144	-106.30%	0.04%
	Std Dev	10.631	9.939	17.028	494.61%	0.53%



80.14_CMRR_V_V_60V	
Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	1000 nV/V
Min Limit	-1000 nV/V
krad	0 30
LL	-1000.000 -1000.000
Min	28.292 -1.963
Average	28.292 12.944
Max	28.292 27.253
UL	1000.000 1000.000

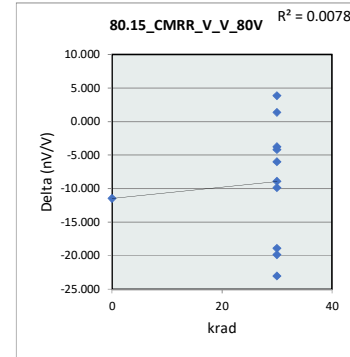


HDR Char TID Report INA950A1MPWTSEP

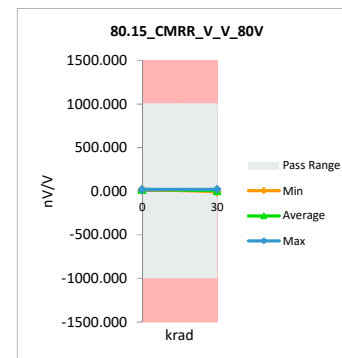
80.15_CMRR_V_V_80V

Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nV/V	nV/V
Max Limit	1000	1000
Min Limit	-1000	-1000

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	14.549	-5.306	-19.856	-136.47%	0.99%
30	2	21.911	2.996	-18.915	-86.33%	0.95%
30	3	8.219	4.451	-3.768	-45.85%	0.19%
30	4	10.358	1.455	-8.902	-85.95%	0.45%
30	5	17.637	7.790	-9.847	-55.83%	0.49%
30	6	25.080	20.886	-4.195	-16.72%	0.21%
30	7	9.674	11.042	1.368	14.14%	0.07%
30	8	17.207	-5.821	-23.028	-133.83%	1.15%
30	9	21.826	15.834	-5.992	-27.45%	0.30%
30	10	5.564	9.415	3.852	69.23%	0.19%
0	11	31.503	20.031	-11.473	-36.42%	0.57%
Max		31.503	20.886	3.852	69.23%	1.15%
Average		16.684	7.525	-9.160	-49.23%	0.51%
Min		5.564	-5.821	-23.028	-136.47%	0.07%
Std Dev		7.963	9.108	8.670	61.07%	0.37%

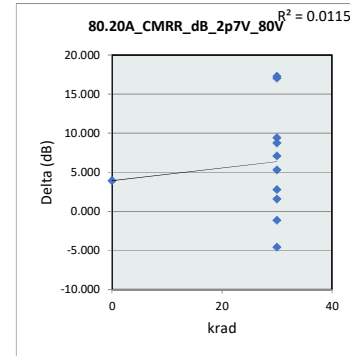


80.15_CMRR_V_V_80V	
Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	1000 nV/V
Min Limit	-1000 nV/V
krad	0 30
LL	-1000.000 -1000.000
Min	20.031 -5.821
Average	20.031 6.274
Max	20.031 20.886
UL	1000.000 1000.000

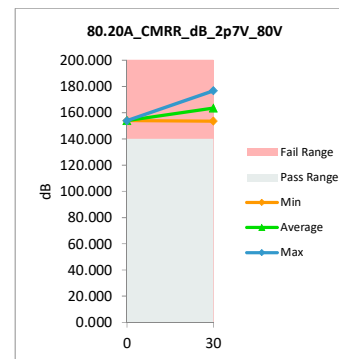


HDR Char TID Report INA950A1MPWTSEP

80.20A_CMRR_dB_2p7V_80V						
Test Site	Junkins	Junkins				
Tester	FETS36401	FETS36401				
Test Number	EQ0581	EQ0581				
Unit	dB	dB				
Max Limit						
Min Limit	140	140				
krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	156.743	165.504	8.761	5.59%	6.26%
30	2	153.187	170.470	17.283	11.28%	12.35%
30	3	161.704	167.031	5.327	3.29%	3.81%
30	4	159.695	176.742	17.047	10.67%	12.18%
30	5	155.072	162.170	7.098	4.58%	5.07%
30	6	152.013	153.603	1.590	1.05%	1.14%
30	7	160.288	159.139	-1.149	-0.72%	0.82%
30	8	155.286	164.700	9.414	6.06%	6.72%
30	9	153.220	156.008	2.788	1.82%	1.99%
30	10	165.093	160.523	-4.570	-2.77%	3.26%
0	11	150.033	153.966	3.933	2.62%	2.81%
	Max	165.093	176.742	17.283	11.28%	12.35%
	Average	156.576	162.714	6.138	3.95%	5.13%
	Min	150.033	153.603	-4.570	-2.77%	0.82%
	Std Dev	4.612	7.139	6.833	4.34%	4.01%



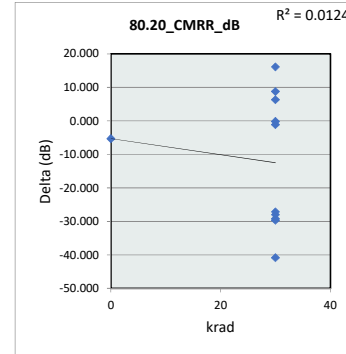
80.20A_CMRR_dB_2p7V_80V		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	dB	
Min Limit	dB	
	140	
krad	0	30
LL	140.000	140.000
Min	153.966	153.603
Average	153.966	163.589
Max	153.966	176.742
UL		



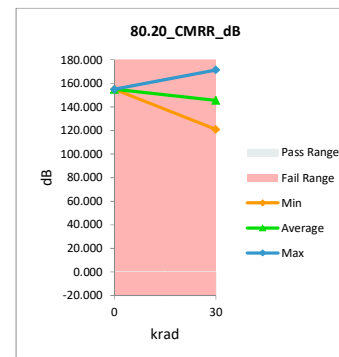
HDR Char TID Report INA950A1MPWTSEP

80.20_CMRR_dB		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	dB	dB
Max Limit	0	0
Min Limit	0	0

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	161.807	120.983	-40.824	-25.23%	#DIV/0!
30	2	159.085	131.921	-27.164	-17.08%	#DIV/0!
30	3	158.694	130.684	-28.010	-17.65%	#DIV/0!
30	4	158.612	128.945	-29.667	-18.70%	#DIV/0!
30	5	155.088	125.900	-29.188	-18.82%	#DIV/0!
30	6	155.118	161.451	6.333	4.08%	#DIV/0!
30	7	157.851	156.741	-1.110	-0.70%	#DIV/0!
30	8	155.201	171.348	16.147	10.40%	#DIV/0!
30	9	156.911	165.698	8.787	5.60%	#DIV/0!
30	10	163.035	162.897	-0.138	-0.08%	#DIV/0!
0	11	160.312	155.007	-5.305	-3.31%	#DIV/0!
Max		163.035	171.348	16.147	10.40%	#DIV/0!
Average		158.338	146.507	-11.831	-7.41%	#DIV/0!
Min		155.088	120.983	-40.824	-25.23%	#DIV/0!
Std Dev		2.680	18.714	19.465	12.28%	#DIV/0!



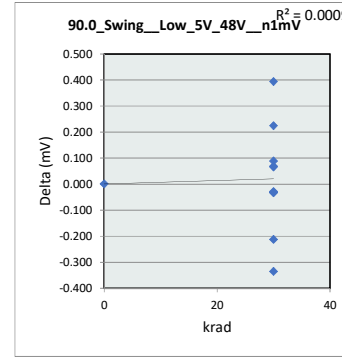
80.20_CMRR_dB		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	0	dB
Min Limit	0	dB
krad	0	30
LL	0.000	0.000
Min	155.007	120.983
Average	155.007	145.657
Max	155.007	171.348
UL	0.000	0.000



HDR Char TID Report INA950A1MPWTSEP

90.0_Swing_Low_5V_48V_n1		
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	15	15
Min Limit	0	0

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	5.140	5.206	0.066	1.28%	0.44%
30	2	3.992	4.217	0.225	5.64%	1.50%
30	3	5.990	5.957	-0.033	-0.55%	0.22%
30	4	5.046	5.440	0.394	7.81%	2.63%
30	5	4.828	4.917	0.089	1.84%	0.59%
30	6	4.575	4.543	-0.032	-0.70%	0.21%
30	7	4.984	4.649	-0.335	-6.72%	2.23%
30	8	4.897	4.966	0.069	1.41%	0.46%
30	9	5.185	4.973	-0.212	-4.09%	1.41%
30	10	4.537	4.509	-0.028	-0.62%	0.19%
0	11	4.847	4.848	0.001	0.02%	0.01%
	Max	5.990	5.957	0.394	7.81%	2.63%
	Average	4.911	4.930	0.019	0.48%	0.90%
	Min	3.992	4.217	-0.335	-6.72%	0.01%
	Std Dev	0.492	0.481	0.195	4.00%	0.90%



90.0_Swing_Low_5V_48V_n1		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	15	mV
Min Limit	0	mV
krad	0	30
LL	0.000	0.000
Min	4.848	4.217
Average	4.848	4.938
Max	4.848	5.957
UL	15.000	15.000

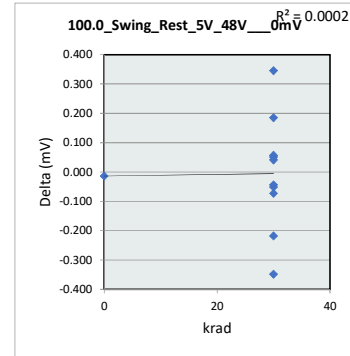


HDR Char TID Report INA950A1MPWTSEP

100.0_Swing_Rest_5V_48V_0

Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	15	15
Min Limit	0	0

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	5.202	5.243	0.041	0.79%	0.27%
30	2	4.062	4.247	0.185	4.55%	1.23%
30	3	6.056	5.983	-0.073	-1.21%	0.49%
30	4	5.125	5.470	0.345	6.73%	2.30%
30	5	4.894	4.951	0.057	1.16%	0.38%
30	6	4.654	4.603	-0.051	-1.10%	0.34%
30	7	5.048	4.700	-0.348	-6.89%	2.32%
30	8	4.971	5.022	0.051	1.03%	0.34%
30	9	5.248	5.030	-0.218	-4.15%	1.45%
30	10	4.612	4.568	-0.044	-0.95%	0.29%
0	11	4.925	4.911	-0.014	-0.28%	0.09%
Max		6.056	5.983	0.345	6.73%	2.32%
Average		4.982	4.975	-0.006	-0.03%	0.86%
Min		4.062	4.247	-0.348	-6.89%	0.09%
Std Dev		0.490	0.475	0.184	3.71%	0.83%



100.0_Swing_Rest_5V_48V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	15 mV
Min Limit	0 mV
krad	0 30
LL	0.000 0.000
Min	4.911 4.247
Average	4.911 4.982
Max	4.911 5.983
UL	15.000 15.000

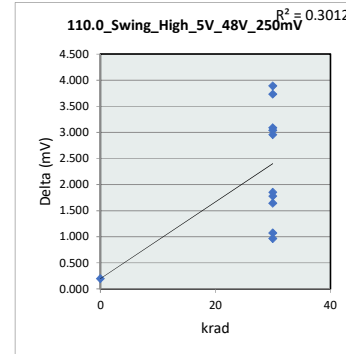


HDR Char TID Report INA950A1MPWTSEP

110.0_Swing_High_5V_48V_250

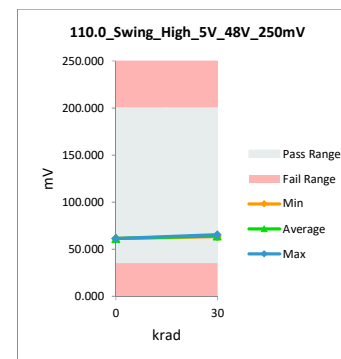
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	200	200
Min Limit	35	35

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	61.832	64.920	3.088	4.99%	1.87%
30	2	61.325	65.214	3.889	6.34%	2.36%
30	3	62.191	65.146	2.955	4.75%	1.79%
30	4	61.280	65.013	3.733	6.09%	2.26%
30	5	61.644	64.685	3.041	4.93%	1.84%
30	6	61.764	63.406	1.642	2.66%	1.00%
30	7	62.126	63.198	1.072	1.73%	0.65%
30	8	61.540	63.319	1.779	2.89%	1.08%
30	9	62.356	63.319	0.963	1.54%	0.58%
30	10	61.511	63.363	1.852	3.01%	1.12%
0	11	61.271	61.465	0.194	0.32%	0.12%
Max		62.356	65.214	3.889	6.34%	2.36%
Average		61.713	63.913	2.201	3.57%	1.33%
Min		61.271	61.465	0.194	0.32%	0.12%
Std Dev		0.379	1.175	1.213	1.98%	0.73%



110.0_Swing_High_5V_48V_2

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	200 mV
Min Limit	35 mV
krad	0 30
LL	35.000 35.000
Min	61.465 63.198
Average	61.465 64.158
Max	61.465 65.214
UL	200.000 200.000

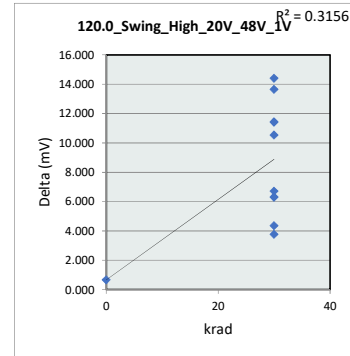


HDR Char TID Report INA950A1MPWTSEP

120.0_Swing_High_20V_48V_1V

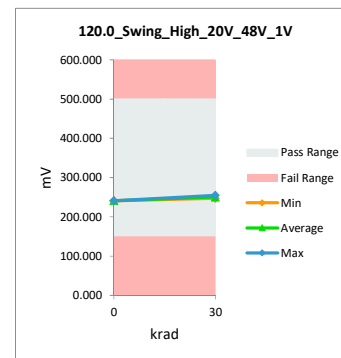
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	500	500
Min Limit	150	150

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	241.433	252.848	11.415	4.73%	3.26%
30	2	240.665	255.072	14.407	5.99%	4.12%
30	3	243.207	253.736	10.529	4.33%	3.01%
30	4	240.114	253.769	13.655	5.69%	3.90%
30	5	241.278	252.712	11.434	4.74%	3.27%
30	6	241.429	247.738	6.309	2.61%	1.80%
30	7	242.927	247.289	4.362	1.80%	1.25%
30	8	240.781	247.094	6.313	2.62%	1.80%
30	9	243.514	247.284	3.770	1.55%	1.08%
30	10	240.943	247.659	6.716	2.79%	1.92%
0	11	240.478	241.142	0.664	0.28%	0.19%
Max		243.514	255.072	14.407	5.99%	4.12%
Average		241.524	249.668	8.143	3.37%	2.33%
Min		240.114	241.142	0.664	0.28%	0.19%
Std Dev		1.164	4.247	4.415	1.84%	1.26%



120.0_Swing_High_20V_48V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	500 mV
Min Limit	150 mV
krad	0 30
LL	150.000 150.000
Min	241.142 247.094
Average	241.142 250.520
Max	241.142 255.072
UL	500.000 500.000

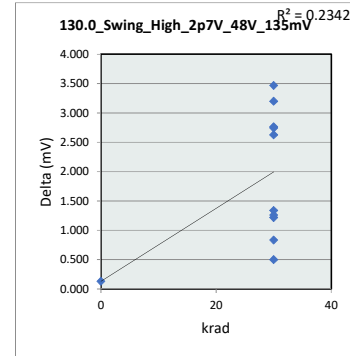


HDR Char TID Report INA950A1MPWTSEP

130.0_Swing_High_2p7V_48V_1

Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	100	100
Min Limit	15	15

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	34.866	37.629	2.763	7.92%	3.25%
30	2	35.220	38.688	3.468	9.85%	4.08%
30	3	34.990	37.617	2.627	7.51%	3.09%
30	4	34.737	37.937	3.200	9.21%	3.76%
30	5	34.782	37.526	2.744	7.89%	3.23%
30	6	35.134	36.394	1.260	3.59%	1.48%
30	7	35.228	36.062	0.834	2.37%	0.98%
30	8	34.994	36.210	1.216	3.47%	1.43%
30	9	35.817	36.319	0.502	1.40%	0.59%
30	10	34.875	36.213	1.338	3.84%	1.57%
0	11	34.771	34.902	0.131	0.38%	0.15%
Max		35.817	38.688	3.468	9.85%	4.08%
Average		35.038	36.863	1.826	5.22%	2.15%
Min		34.737	34.902	0.131	0.38%	0.15%
Std Dev		0.312	1.092	1.161	3.33%	1.37%



130.0_Swing_High_2p7V_48V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	100 mV
Min Limit	15 mV
krad	0 30
LL	15.000 15.000
Min	34.902 36.062
Average	34.902 37.060
Max	34.902 38.688
UL	100.000 100.000

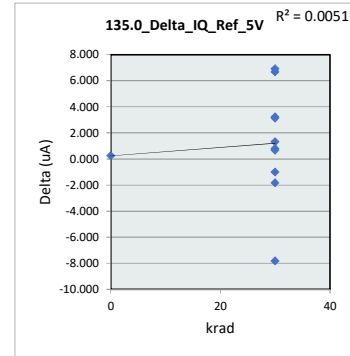


HDR Char TID Report INA950A1MPWTSEP

135.0_Delta_IQ_Ref_5V

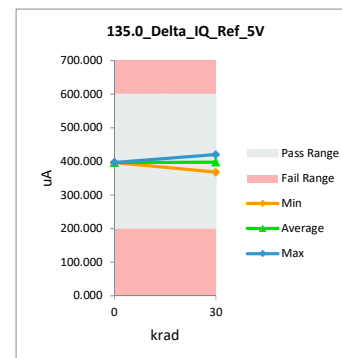
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	600	600
Min Limit	200	200

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	405.881	404.054	-1.827	-0.45%	0.46%
30	2	375.843	368.028	-7.815	-2.08%	1.95%
30	3	414.033	420.706	6.673	1.61%	1.67%
30	4	402.312	405.529	3.217	0.80%	0.80%
30	5	392.672	393.351	0.679	0.17%	0.17%
30	6	395.525	394.514	-1.011	-0.26%	0.25%
30	7	396.639	397.430	0.791	0.20%	0.20%
30	8	393.208	400.122	6.914	1.76%	1.73%
30	9	401.494	404.625	3.131	0.78%	0.78%
30	10	389.831	391.148	1.317	0.34%	0.33%
0	11	396.872	397.113	0.241	0.06%	0.06%
Max		414.033	420.706	6.914	1.76%	1.95%
Average		396.755	397.875	1.119	0.27%	0.76%
Min		375.843	368.028	-7.815	-2.08%	0.06%
Std Dev		9.753	12.796	4.087	1.05%	0.70%



135.0_Delta_IQ_Ref_5V

Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	600	uA
Min Limit	200	uA
krad	0	30
LL	200.000	200.000
Min	397.113	368.028
Average	397.113	397.951
Max	397.113	420.706
UL	600.000	600.000

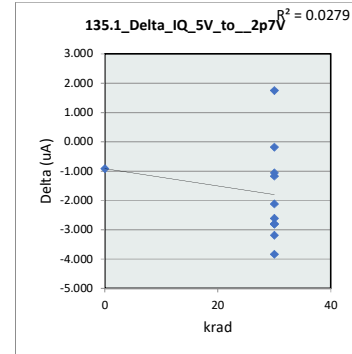


HDR Char TID Report INA950A1MPWTSEP

135.1_Delta_IQ_5V_to_2p7V

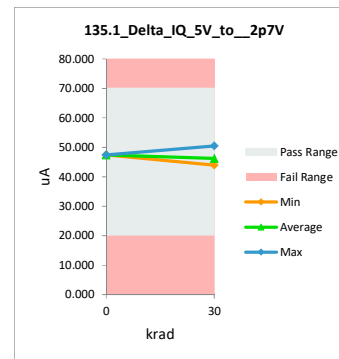
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	70	70
Min Limit	20	20

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	46.848	44.047	-2.801	-5.98%	5.60%
30	2	48.921	46.307	-2.614	-5.34%	5.23%
30	3	48.718	50.471	1.753	3.60%	3.51%
30	4	47.654	47.471	-0.183	-0.38%	0.37%
30	5	47.132	45.960	-1.172	-2.49%	2.34%
30	6	50.016	46.831	-3.185	-6.37%	6.37%
30	7	45.448	44.389	-1.059	-2.33%	2.12%
30	8	46.773	43.963	-2.810	-6.01%	5.62%
30	9	48.745	44.911	-3.834	-7.87%	7.67%
30	10	49.674	47.556	-2.118	-4.26%	4.24%
0	11	48.345	47.432	-0.913	-1.89%	1.83%
Max		50.016	50.471	1.753	3.60%	7.67%
Average		48.025	46.303	-1.721	-3.57%	4.08%
Min		45.448	43.963	-3.834	-7.87%	0.37%
Std Dev		1.383	1.953	1.604	3.30%	2.24%



135.1_Delta_IQ_5V_to_2p7V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	70 uA
Min Limit	20 uA
krad	0 30
LL	20.000 20.000
Min	47.432 43.963
Average	47.432 46.191
Max	47.432 50.471
UL	70.000 70.000

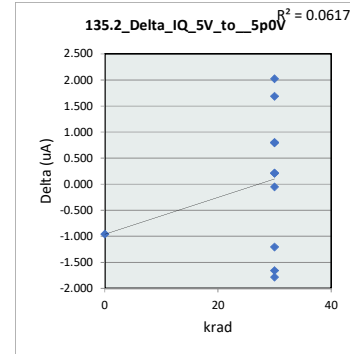


HDR Char TID Report INA950A1MPWTSEP

135.2_Delta_IQ_5V_to_5p0V

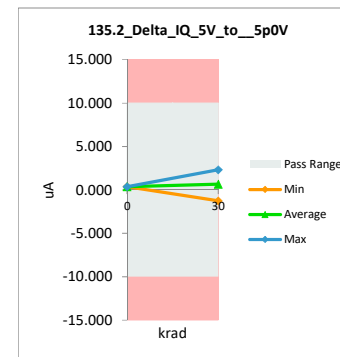
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	10	10
Min Limit	-10	-10

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-0.155	1.866	2.021	-1303.87%	10.11%
30	2	0.893	1.105	0.212	23.74%	1.06%
30	3	0.399	-1.258	-1.657	-415.29%	8.29%
30	4	1.037	1.246	0.209	20.15%	1.05%
30	5	-0.407	-0.459	-0.052	12.78%	0.26%
30	6	0.625	2.311	1.686	269.76%	8.43%
30	7	2.293	1.087	-1.206	-52.59%	6.03%
30	8	1.568	-0.216	-1.784	-113.78%	8.92%
30	9	-0.889	-0.096	0.793	-89.20%	3.96%
30	10	0.284	1.088	0.804	283.10%	4.02%
0	11	1.339	0.380	-0.959	-71.62%	4.79%
Max		2.293	2.311	2.021	283.10%	10.11%
Average		0.635	0.641	0.006	-130.62%	5.17%
Min		-0.889	-1.258	-1.784	-1303.87%	0.26%
Std Dev		0.925	1.069	1.288	432.17%	3.47%



135.2_Delta_IQ_5V_to_5p0V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	10 uA
Min Limit	-10 uA
krad	0 30
LL	-10.000 -10.000
Min	0.380 -1.258
Average	0.380 0.667
Max	0.380 2.311
UL	10.000 10.000

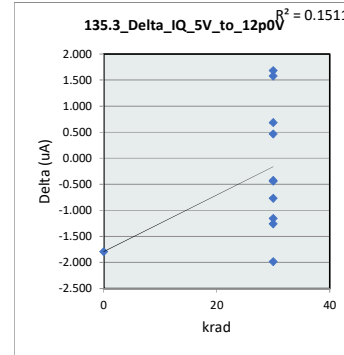


HDR Char TID Report INA950A1MPWTSEP

135.3_Delta_IQ_5V_to_12p0V

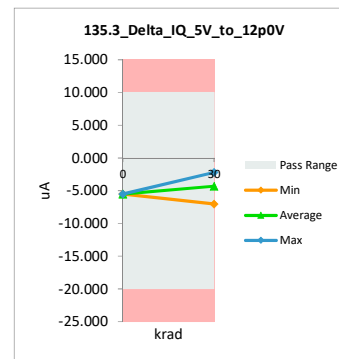
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	10	10
Min Limit	-20	-20

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-4.880	-3.200	1.680	-34.43%	5.60%
30	2	-4.021	-4.448	-0.427	10.62%	1.42%
30	3	-4.375	-3.693	0.682	-15.59%	2.27%
30	4	-4.121	-5.378	-1.257	30.50%	4.19%
30	5	-1.771	-2.213	-0.442	24.96%	1.47%
30	6	-3.998	-3.534	0.464	-11.61%	1.55%
30	7	-3.845	-4.612	-0.767	19.95%	2.56%
30	8	-5.050	-7.035	-1.985	39.31%	6.62%
30	9	-4.786	-5.941	-1.155	24.13%	3.85%
30	10	-4.631	-3.052	1.579	-34.10%	5.26%
0	11	-3.722	-5.514	-1.792	48.15%	5.97%
Max		-1.771	-2.213	1.680	48.15%	6.62%
Average		-4.109	-4.420	-0.311	9.26%	3.71%
Min		-5.050	-7.035	-1.985	-34.43%	1.42%
Std Dev		0.894	1.444	1.263	28.79%	1.95%



135.3_Delta_IQ_5V_to_12p0V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	10 uA
Min Limit	-20 uA
krad	0 30
LL	-20.000 -20.000
Min	-5.514 -7.035
Average	-5.514 -4.311
Max	-5.514 -2.213
UL	10.000 10.000

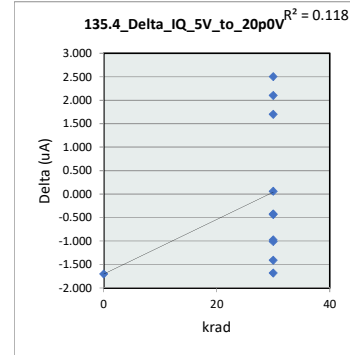


HDR Char TID Report INA950A1MPWTSEP

135.4_Delta_IQ_5V_to_20p0V

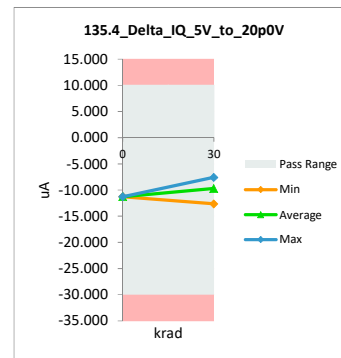
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	10	10
Min Limit	-30	-30

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-10.287	-11.968	-1.681	16.34%	4.20%
30	2	-9.666	-7.565	2.101	-21.74%	5.25%
30	3	-8.564	-9.538	-0.974	11.37%	2.43%
30	4	-8.792	-9.226	-0.434	4.94%	1.09%
30	5	-9.467	-7.765	1.702	-17.98%	4.26%
30	6	-11.248	-8.746	2.502	-22.24%	6.25%
30	7	-8.521	-9.532	-1.011	11.86%	2.53%
30	8	-11.230	-12.636	-1.406	12.52%	3.52%
30	9	-9.364	-9.302	0.062	-0.66%	0.16%
30	10	-10.422	-10.845	-0.423	4.06%	1.06%
0	11	-9.561	-11.262	-1.701	17.79%	4.25%
Max		-8.521	-7.565	2.502	17.79%	6.25%
Average		-9.738	-9.853	-0.115	1.48%	3.18%
Min		-11.248	-12.636	-1.701	-22.24%	0.16%
Std Dev		0.963	1.640	1.532	15.23%	1.90%



135.4_Delta_IQ_5V_to_20p0V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	10 uA
Min Limit	-30 uA
krad	0 30
LL	-30.000 -30.000
Min	-11.262 -12.636
Average	-11.262 -9.712
Max	-11.262 -7.565
UL	10.000 10.000

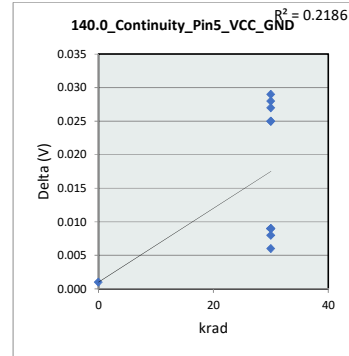


HDR Char TID Report INA950A1MPWTSEP

140.0 Continuity_Pin5_VCC_GND

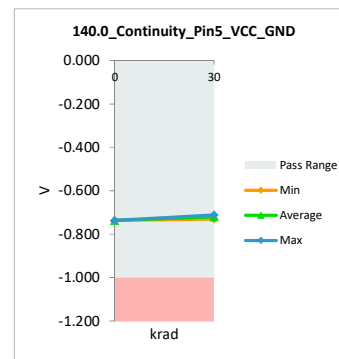
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	V	V
Max Limit	0	0
Min Limit	-1	-1

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-0.738	-0.713	0.025	-3.39%	2.50%
30	2	-0.740	-0.711	0.029	-3.92%	2.90%
30	3	-0.739	-0.711	0.028	-3.79%	2.80%
30	4	-0.738	-0.711	0.027	-3.66%	2.70%
30	5	-0.738	-0.713	0.025	-3.39%	2.50%
30	6	-0.738	-0.730	0.008	-1.08%	0.80%
30	7	-0.738	-0.729	0.009	-1.22%	0.90%
30	8	-0.738	-0.729	0.009	-1.22%	0.90%
30	9	-0.735	-0.729	0.006	-0.82%	0.60%
30	10	-0.738	-0.729	0.009	-1.22%	0.90%
0	11	-0.738	-0.737	0.001	-0.14%	0.10%
	Max	-0.735	-0.711	0.029	-0.14%	2.90%
	Average	-0.738	-0.722	0.016	-2.17%	1.60%
	Min	-0.740	-0.737	0.001	-3.92%	0.10%
	Std Dev	0.001	0.010	0.011	1.44%	1.06%



140.0 Continuity_Pin5_VCC_G

Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	0	V
Min Limit	-1	V
	krad	
	0	30
LL	-1.000	-1.000
Min	-0.737	-0.730
Average	-0.737	-0.721
Max	-0.737	-0.711
UL	0.000	0.000

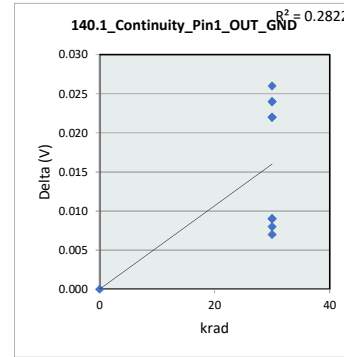


HDR Char TID Report INA950A1MPWTSEP

140.1 Continuity_Pin1_OUT_GND

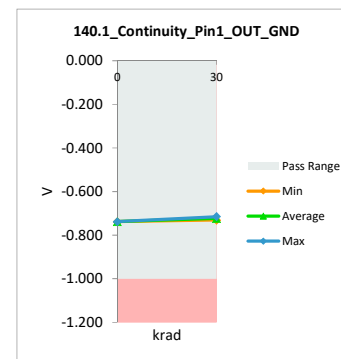
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	V	V
Max Limit	0	0
Min Limit	-1	-1

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-0.739	-0.717	0.022	-2.98%	2.20%
30	2	-0.741	-0.715	0.026	-3.51%	2.60%
30	3	-0.740	-0.716	0.024	-3.24%	2.40%
30	4	-0.739	-0.715	0.024	-3.25%	2.40%
30	5	-0.740	-0.718	0.022	-2.97%	2.20%
30	6	-0.740	-0.731	0.009	-1.22%	0.90%
30	7	-0.739	-0.730	0.009	-1.22%	0.90%
30	8	-0.739	-0.731	0.008	-1.08%	0.80%
30	9	-0.737	-0.730	0.007	-0.95%	0.70%
30	10	-0.739	-0.730	0.009	-1.22%	0.90%
0	11	-0.738	-0.738	0.000	0.00%	0.00%
Max		-0.737	-0.715	0.026	0.00%	2.60%
Average		-0.739	-0.725	0.015	-1.97%	1.45%
Min		-0.741	-0.738	0.000	-3.51%	0.00%
Std Dev		0.001	0.008	0.009	1.23%	0.91%



140.1 Continuity_Pin1_OUT_GND

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	0 V
Min Limit	-1 V
krad	0 30
LL	-1.000 -1.000
Min	-0.738 -0.731
Average	-0.738 -0.723
Max	-0.738 -0.715
UL	0.000 0.000

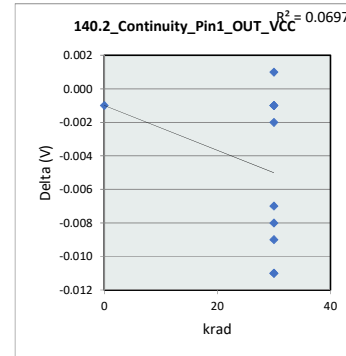


HDR Char TID Report INA950A1MPWTSEP

140.2 Continuity_Pin1_OUT_VCC

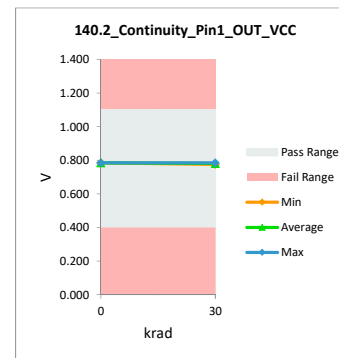
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	V	V
Max Limit	1.1	1.1
Min Limit	0.4	0.4

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	0.786	0.779	-0.007	-0.89%	1.00%
30	2	0.788	0.777	-0.011	-1.40%	1.57%
30	3	0.786	0.777	-0.009	-1.15%	1.29%
30	4	0.787	0.776	-0.011	-1.40%	1.57%
30	5	0.786	0.778	-0.008	-1.02%	1.14%
30	6	0.786	0.785	-0.001	-0.13%	0.14%
30	7	0.786	0.785	-0.001	-0.13%	0.14%
30	8	0.786	0.785	-0.001	-0.13%	0.14%
30	9	0.783	0.784	0.001	0.13%	0.14%
30	10	0.786	0.784	-0.002	-0.25%	0.29%
0	11	0.786	0.785	-0.001	-0.13%	0.14%
Max		0.788	0.785	0.001	0.13%	1.57%
Average		0.786	0.781	-0.005	-0.59%	0.69%
Min		0.783	0.776	-0.011	-1.40%	0.14%
Std Dev		0.001	0.004	0.005	0.58%	0.62%



140.2 Continuity_Pin1_OUT_V

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	1.1 V
Min Limit	0.4 V
krad	0 30
LL	0.400 0.400
Min	0.785 0.776
Average	0.785 0.781
Max	0.785 0.785
UL	1.100 1.100

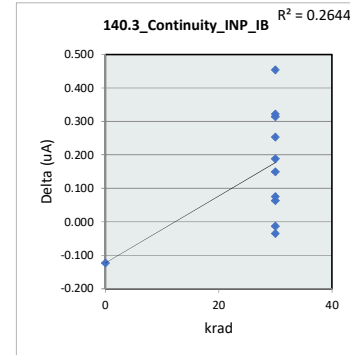


HDR Char TID Report INA950A1MPWTSEP

140.3 Continuity_INP_IB

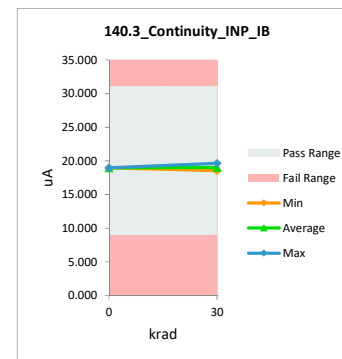
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	31	31
Min Limit	9	9

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	19.371	19.624	0.253	1.31%	1.15%
30	2	18.744	18.819	0.075	0.40%	0.34%
30	3	18.721	19.035	0.314	1.68%	1.43%
30	4	18.710	19.164	0.454	2.43%	2.06%
30	5	19.384	19.371	-0.013	-0.07%	0.06%
30	6	18.640	18.828	0.188	1.01%	0.85%
30	7	19.003	19.066	0.063	0.33%	0.29%
30	8	18.302	18.624	0.322	1.76%	1.46%
30	9	18.984	18.949	-0.035	-0.18%	0.16%
30	10	18.395	18.544	0.149	0.81%	0.68%
0	11	19.078	18.955	-0.123	-0.64%	0.56%
Max		19.384	19.624	0.454	2.43%	2.06%
Average		18.848	18.998	0.150	0.80%	0.82%
Min		18.302	18.544	-0.123	-0.64%	0.06%
Std Dev		0.353	0.312	0.176	0.94%	0.64%



140.3 Continuity_INP_IB

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	31 uA
Min Limit	9 uA
krad	0 30
LL	9.000 9.000
Min	18.955 18.544
Average	18.955 19.002
Max	18.955 19.624
UL	31.000 31.000

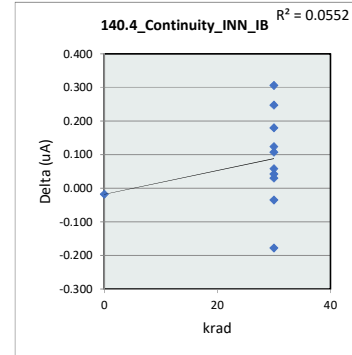


HDR Char TID Report INA950A1MPWTSEP

140.4_Continuity_INN_IB

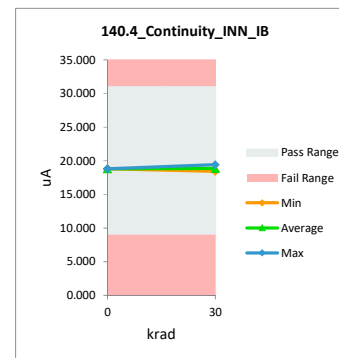
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	31	31
Min Limit	9	9

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	19.282	19.406	0.124	0.64%	0.56%
30	2	18.811	18.633	-0.178	-0.95%	0.81%
30	3	18.591	18.897	0.306	1.65%	1.39%
30	4	18.804	19.051	0.247	1.31%	1.12%
30	5	19.209	19.239	0.030	0.16%	0.14%
30	6	18.678	18.736	0.058	0.31%	0.26%
30	7	18.868	18.975	0.107	0.57%	0.49%
30	8	18.309	18.489	0.180	0.98%	0.82%
30	9	18.812	18.854	0.042	0.22%	0.19%
30	10	18.479	18.444	-0.035	-0.19%	0.16%
0	11	18.835	18.817	-0.018	-0.10%	0.08%
Max		19.282	19.406	0.306	1.65%	1.39%
Average		18.789	18.867	0.078	0.42%	0.55%
Min		18.309	18.444	-0.178	-0.95%	0.08%
Std Dev		0.284	0.295	0.136	0.73%	0.44%



140.4_Continuity_INN_IB

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	31 uA
Min Limit	9 uA
krad	0 30
LL	9.000 9.000
Min	18.817 18.444
Average	18.817 18.872
Max	18.817 19.406
UL	31.000 31.000

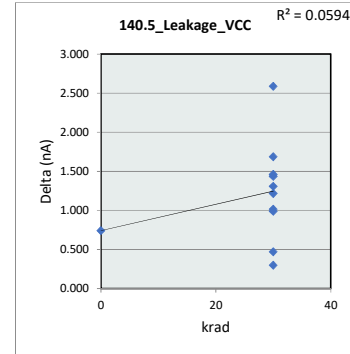


HDR Char TID Report INA950A1MPWTSEP

140.5_Leakage_VCC

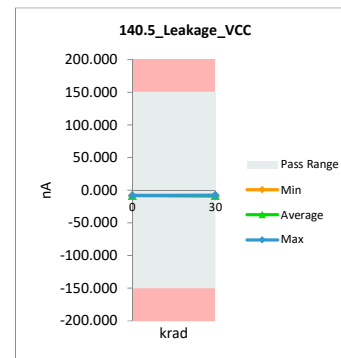
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nA	nA
Max Limit	150	150
Min Limit	-150	-150

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-10.430	-8.970	1.460	-14.00%	0.49%
30	2	-11.127	-8.540	2.587	-23.25%	0.86%
30	3	-9.073	-8.057	1.016	-11.20%	0.34%
30	4	-9.673	-8.365	1.308	-13.52%	0.44%
30	5	-8.750	-8.452	0.298	-3.41%	0.10%
30	6	-9.849	-8.633	1.216	-12.35%	0.41%
30	7	-9.024	-8.037	0.987	-10.94%	0.33%
30	8	-9.883	-8.448	1.435	-14.52%	0.48%
30	9	-8.863	-8.394	0.469	-5.29%	0.16%
30	10	-9.464	-7.779	1.685	-17.80%	0.56%
0	11	-8.996	-8.257	0.739	-8.21%	0.25%
Max		-8.750	-7.779	2.587	-3.41%	0.86%
Average		-9.557	-8.357	1.200	-12.23%	0.40%
Min		-11.127	-8.970	0.298	-23.25%	0.10%
Std Dev		0.735	0.323	0.627	5.54%	0.21%



140.5_Leakage_VCC

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	150 nA
Min Limit	-150 nA
krad	0 30
LL	-150.000 -150.000
Min	-8.257 -8.970
Average	-8.257 -8.368
Max	-8.257 -7.779
UL	150.000 150.000

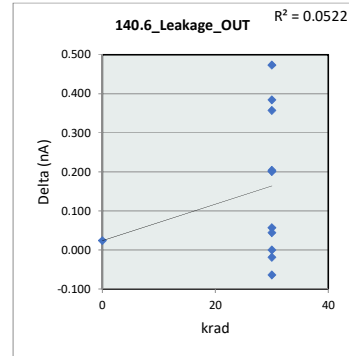


HDR Char TID Report INA950A1MPWTSEP

140.6_Leakage_OUT

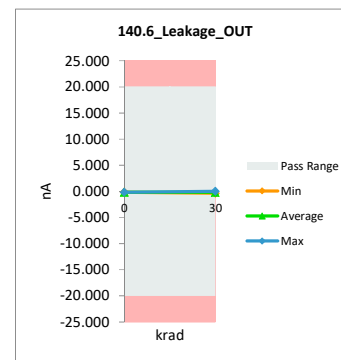
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nA	nA
Max Limit	20	20
Min Limit	-20	-20

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-0.206	-0.225	-0.019	9.22%	0.05%
30	2	-0.225	-0.289	-0.064	28.44%	0.16%
30	3	-0.372	-0.015	0.357	-95.97%	0.89%
30	4	-0.639	-0.255	0.384	-60.09%	0.96%
30	5	-0.328	-0.328	0.000	0.00%	0.00%
30	6	-0.312	-0.255	0.057	-18.27%	0.14%
30	7	-0.465	-0.264	0.201	-43.23%	0.50%
30	8	-0.444	0.029	0.473	-106.53%	1.18%
30	9	-0.294	-0.250	0.044	-14.97%	0.11%
30	10	-0.356	-0.152	0.204	-57.30%	0.51%
0	11	-0.186	-0.162	0.024	-12.90%	0.06%
Max		-0.186	0.029	0.473	28.44%	1.18%
Average		-0.348	-0.197	0.151	-33.78%	0.42%
Min		-0.639	-0.328	-0.064	-106.53%	0.00%
Std Dev		0.132	0.113	0.184	42.88%	0.42%



140.6_Leakage_OUT

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	20 nA
Min Limit	-20 nA
krad	0 30
LL	-20.000 -20.000
Min	-0.162 -0.328
Average	-0.162 -0.200
Max	-0.162 0.029
UL	20.000 20.000

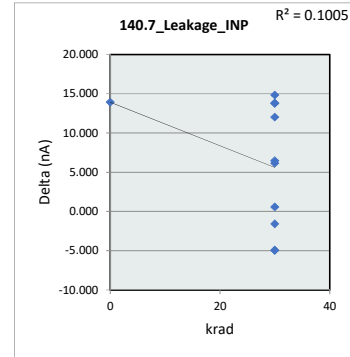


HDR Char TID Report INA950A1MPWTSEP

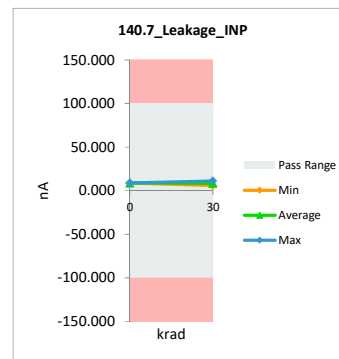
140.7_Leakage_INP

Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nA	nA
Max Limit	100	100
Min Limit	-100	-100

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	9.272	7.694	-1.578	-17.02%	0.79%
30	2	-2.591	11.211	13.802	-532.69%	6.90%
30	3	0.536	6.677	6.141	1145.71%	3.07%
30	4	-3.874	9.892	13.766	-355.34%	6.88%
30	5	12.349	7.381	-4.968	-40.23%	2.48%
30	6	-0.412	6.042	6.454	-1566.50%	3.23%
30	7	8.035	8.597	0.562	6.99%	0.28%
30	8	-1.845	10.166	12.011	-651.00%	6.01%
30	9	11.382	6.438	-4.944	-43.44%	2.47%
30	10	-3.767	11.055	14.822	-393.47%	7.41%
0	11	-5.059	8.851	13.910	-274.96%	6.95%
Max		12.349	11.211	14.822	1145.71%	7.41%
Average		2.184	8.546	6.362	-247.45%	4.23%
Min		-5.059	6.042	-4.968	-1566.50%	0.28%
Std Dev		6.674	1.850	7.897	645.07%	2.66%



140.7_Leakage_INP		
Test Site	Junkins	
Tester	FETS36401	
Test Number	EQ0581	
Max Limit	100	nA
Min Limit	-100	nA
krad	0	30
LL	-100.000	-100.000
Min	8.851	6.042
Average	8.851	8.515
Max	8.851	11.211
UL	100.000	100.000

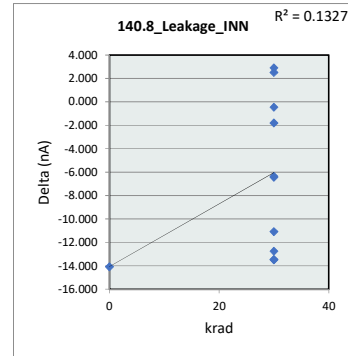


HDR Char TID Report INA950A1MPWTSEP

140.8_Leakage_INN

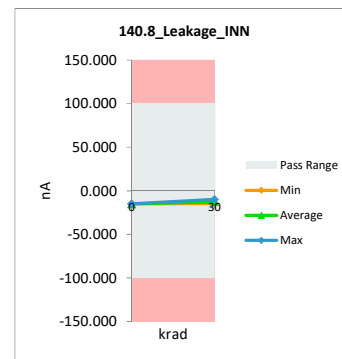
Test Site	Junkins	Junkins
Tester	FETS36401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nA	nA
Max Limit	100	100
Min Limit	-100	-100

krad	Serial #	Pre-HDR	Post-HDR	Delta	Delta %	% of Limit Range
30	1	-12.634	-14.432	-1.798	14.23%	0.90%
30	2	-0.971	-14.461	-13.490	1389.29%	6.75%
30	3	-4.887	-11.335	-6.448	131.94%	3.22%
30	4	-1.336	-14.099	-12.763	955.31%	6.38%
30	5	-14.832	-11.926	2.906	-19.59%	1.45%
30	6	-3.575	-9.928	-6.353	177.71%	3.18%
30	7	-10.724	-11.179	-0.455	4.24%	0.23%
30	8	-3.375	-14.461	-11.086	328.47%	5.54%
30	9	-14.261	-11.755	2.506	-17.57%	1.25%
30	10	0.380	-13.079	-13.459	-3541.84%	6.73%
0	11	-0.878	-14.959	-14.081	1603.76%	7.04%
Max		0.380	-9.928	2.906	1603.76%	7.04%
Average		-6.099	-12.874	-6.775	93.27%	3.88%
Min		-14.832	-14.959	-14.081	-3541.84%	0.23%
Std Dev		5.835	1.715	6.652	1342.44%	2.67%



140.8_Leakage_INN

Test Site	Junkins
Tester	FETS36401
Test Number	EQ0581
Max Limit	100 nA
Min Limit	-100 nA
krad	0 30
LL	-100.000 -100.000
Min	-14.959 -14.461
Average	-14.959 -12.666
Max	-14.959 -9.928
UL	100.000 100.000



LDR TID Report
INA950A1MPWTSEP

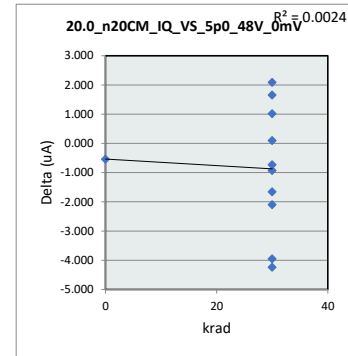
LDR TID Report

INA950A1MPWTSEP

20.0_n20CM_IQ_VS_5p0_48V_0

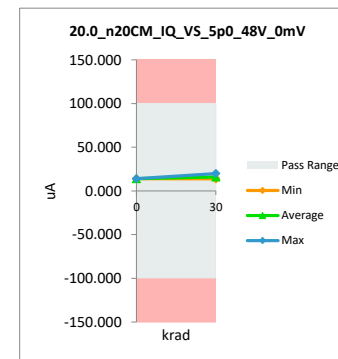
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	100	100
Min Limit	-100	-100

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	16.269	15.343	-0.926	-5.69%	0.46%
30	2	18.948	14.710	-4.238	-22.37%	2.12%
30	3	14.515	15.538	1.023	7.05%	0.51%
30	4	14.710	16.366	1.656	11.26%	0.83%
30	5	17.779	13.833	-3.946	-22.19%	1.97%
30	6	17.779	19.873	2.094	11.78%	1.05%
30	7	16.756	16.853	0.097	0.58%	0.05%
30	8	16.707	15.976	-0.731	-4.38%	0.37%
30	9	18.363	16.707	-1.656	-9.02%	0.83%
30	10	17.145	15.051	-2.094	-12.21%	1.05%
0	11	14.564	14.028	-0.536	-3.68%	0.27%
Max		18.948	19.873	2.094	11.78%	2.12%
Average		16.685	15.843	-0.842	-4.44%	0.86%
Min		14.515	13.833	-4.238	-22.37%	0.05%
Std Dev		1.544	1.670	2.067	11.78%	0.67%



20.0_n20CM_IQ_VS_5p0_48V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	100 uA
Min Limit	-100 uA
krad	0 30
LL	-100.000 -100.000
Min	14.028 13.833
Average	14.028 16.025
Max	14.028 19.873
UL	100.000 100.000

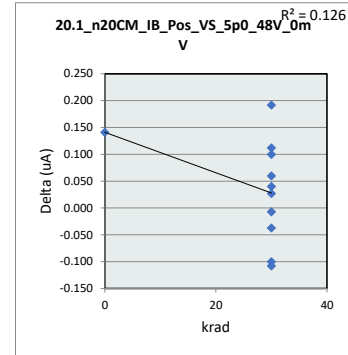


LDR TID Report
INA950A1MPWTSEP

20.1_n20CM_IB_Pos_VS_5p0_48V_0m

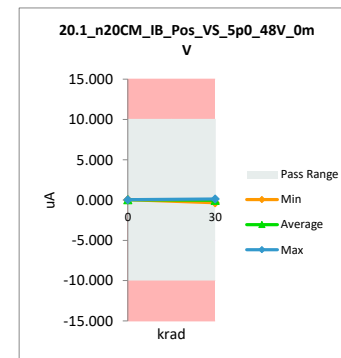
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	10	10
Min Limit	-10	-10

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	0.079	-0.029	-0.108	-136.71%	0.54%
30	2	-0.237	-0.337	-0.100	42.19%	0.50%
30	3	-0.279	-0.167	0.112	-40.14%	0.56%
30	4	0.029	0.056	0.027	93.10%	0.14%
30	5	-0.027	-0.064	-0.037	137.04%	0.19%
30	6	0.068	0.128	0.060	88.24%	0.30%
30	7	-0.131	0.061	0.192	-146.56%	0.96%
30	8	-0.021	0.019	0.040	-190.48%	0.20%
30	9	-0.038	0.062	0.100	-263.16%	0.50%
30	10	0.017	0.010	-0.007	-41.18%	0.04%
0	11	-0.096	0.045	0.141	-146.88%	0.71%
Max		0.079	0.128	0.192	137.04%	0.96%
Average		-0.058	-0.020	0.038	-54.96%	0.42%
Min		-0.279	-0.337	-0.108	-263.16%	0.04%
Std Dev		0.118	0.131	0.096	132.05%	0.28%



20.1_n20CM_IB_Pos_VS_5p0

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	10 uA
Min Limit	-10 uA
krad	0 30
LL	-10.000 -10.000
Min	0.045 -0.337
Average	0.045 -0.026
Max	0.045 0.128
UL	10.000 10.000

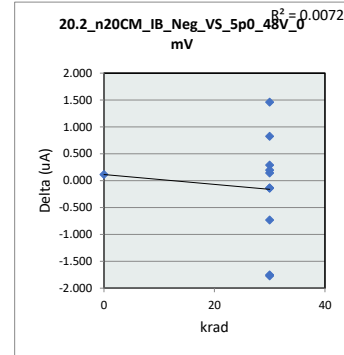


LDR TID Report
INA950A1MPWTSEP

20.2_n20CM_IB_Neg_VS_5p0_4

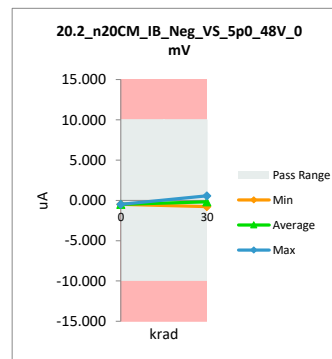
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	10	10
Min Limit	-10	-10

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	-0.036	-0.769	-0.733	2036.11%	3.66%
30	2	-0.600	-0.457	0.143	-23.83%	0.72%
30	3	-0.405	-0.115	0.290	-71.60%	1.45%
30	4	-0.673	0.151	0.824	-122.44%	4.12%
30	5	1.275	-0.495	-1.770	-138.82%	8.85%
30	6	-0.230	-0.032	0.198	-86.09%	0.99%
30	7	-0.101	-0.235	-0.134	132.67%	0.67%
30	8	-0.893	0.569	1.462	-163.72%	7.31%
30	9	1.165	-0.588	-1.753	-150.47%	8.76%
30	10	0.313	0.175	-0.138	-44.09%	0.69%
0	11	-0.602	-0.488	0.114	-18.94%	0.57%
Max		1.275	0.569	1.462	2036.11%	8.85%
Average		-0.072	-0.208	-0.136	122.62%	3.44%
Min		-0.893	-0.769	-1.770	-163.72%	0.57%
Std Dev		0.723	0.400	0.977	640.08%	3.38%



20.2_n20CM_IB_Neg_VS_5p0

Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	10 uA	
Min Limit	-10 uA	
krad	0	30
LL	-10.000	-10.000
Min	-0.488	-0.769
Average	-0.488	-0.180
Max	-0.488	0.569
UL	10.000	10.000

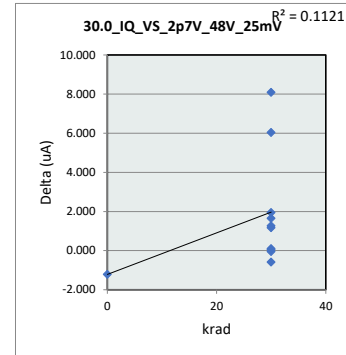


LDR TID Report INA950A1MPWTSEP

30.0_IQ_VS_2p7V_48V_25mV

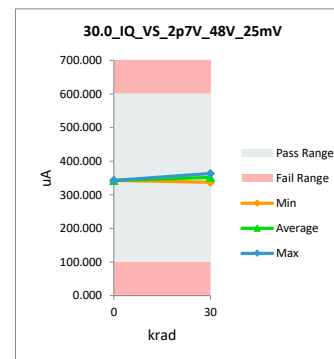
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	600	600
Min Limit	100	100

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	361.176	362.442	1.266	0.35%	0.25%
30	2	361.614	363.270	1.656	0.46%	0.33%
30	3	352.262	352.311	0.049	0.01%	0.01%
30	4	352.457	358.497	6.040	1.71%	1.21%
30	5	349.339	351.288	1.949	0.56%	0.39%
30	6	337.747	337.162	-0.585	-0.17%	0.12%
30	7	355.623	356.792	1.169	0.33%	0.23%
30	8	347.878	347.975	0.097	0.03%	0.02%
30	9	337.454	345.540	8.086	2.40%	1.62%
30	10	342.033	341.984	-0.049	-0.01%	0.01%
0	11	343.981	342.764	-1.217	-0.35%	0.24%
Max		361.614	363.270	8.086	2.40%	1.62%
Average		349.233	350.911	1.678	0.48%	0.40%
Min		337.454	337.162	-1.217	-0.35%	0.01%
Std Dev		8.416	8.675	2.868	0.84%	0.52%



30.0_IQ_VS_2p7V_48V_25mV

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	600 uA
Min Limit	100 uA
krad	0 30
LL	100.000 100.000
Min	342.764 337.162
Average	342.764 351.726
Max	342.764 363.270
UL	600.000 600.000



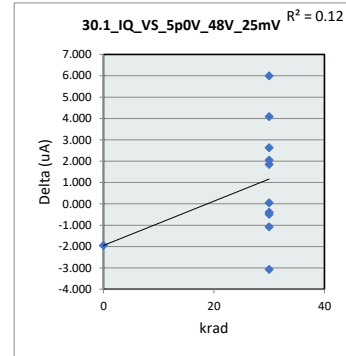
LDR TID Report

INA950A1MPWTSEP

30.1_IQ_VS_5p0V_48V_25mV

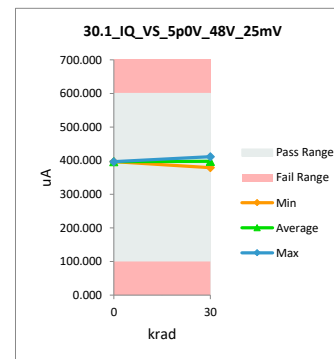
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	600	600
Min Limit	100	100

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	409.982	411.833	1.851	0.45%	0.37%
30	2	410.176	410.225	0.049	0.01%	0.01%
30	3	402.432	401.360	-1.072	-0.27%	0.21%
30	4	400.435	404.526	4.091	1.02%	0.82%
30	5	392.739	394.784	2.045	0.52%	0.41%
30	6	379.539	379.149	-0.390	-0.10%	0.08%
30	7	406.426	403.357	-3.069	-0.76%	0.61%
30	8	395.661	395.174	-0.487	-0.12%	0.10%
30	9	387.040	393.031	5.991	1.55%	1.20%
30	10	385.432	388.063	2.631	0.68%	0.53%
0	11	399.022	397.074	-1.948	-0.49%	0.39%
Max		410.176	411.833	5.991	1.55%	1.20%
Average		397.171	398.052	0.881	0.23%	0.43%
Min		379.539	379.149	-3.069	-0.76%	0.01%
Std Dev		10.168	9.599	2.709	0.69%	0.35%



30.1_IQ_VS_5p0V_48V_25mV

Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	600 uA	
Min Limit	100 uA	
krad	0	30
LL	100.000	100.000
Min	397.074	379.149
Average	397.074	398.150
Max	397.074	411.833
UL	600.000	600.000

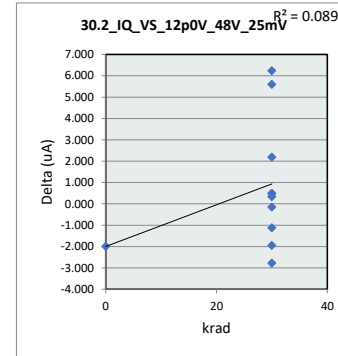


LDR TID Report INA950A1MPWTSEP

30.2_IQ_VS_12p0V_48V_25mV

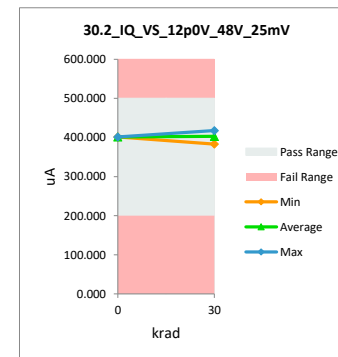
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	500	500
Min Limit	200	200

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	417.337	417.824	0.487	0.12%	0.16%
30	2	414.219	414.073	-0.146	-0.04%	0.05%
30	3	406.572	405.452	-1.120	-0.28%	0.37%
30	4	403.552	409.787	6.235	1.55%	2.08%
30	5	396.733	398.925	2.192	0.55%	0.73%
30	6	382.607	383.094	0.487	0.13%	0.16%
30	7	412.076	409.300	-2.776	-0.67%	0.93%
30	8	402.383	400.435	-1.948	-0.48%	0.65%
30	9	392.446	398.048	5.602	1.43%	1.87%
30	10	392.349	392.690	0.341	0.09%	0.11%
0	11	403.406	401.409	-1.997	-0.50%	0.67%
Max		417.337	417.824	6.235	1.55%	2.08%
Average		402.153	402.822	0.669	0.17%	0.71%
Min		382.607	383.094	-2.776	-0.67%	0.05%
Std Dev		10.486	9.933	2.958	0.74%	0.69%



30.2_IQ_VS_12p0V_48V_25m

Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	500 uA	
Min Limit	200 uA	
krad	0	30
LL	200.000	200.000
Min	401.409	383.094
Average	401.409	402.963
Max	401.409	417.824
UL	500.000	500.000

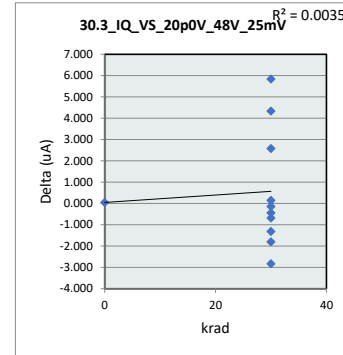


LDR TID Report INA950A1MPWTSEP

30.3 IQ_VS_20p0V_48V_25mV

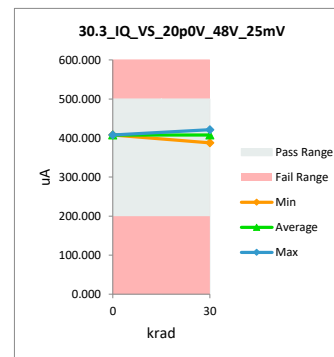
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	500	500
Min Limit	200	200

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	421.136	421.282	0.146	0.03%	0.05%
30	2	419.967	419.285	-0.682	-0.16%	0.23%
30	3	412.953	410.128	-2.825	-0.68%	0.94%
30	4	410.079	414.414	4.335	1.06%	1.44%
30	5	400.142	402.724	2.582	0.65%	0.86%
30	6	387.770	387.624	-0.146	-0.04%	0.05%
30	7	417.726	416.411	-1.315	-0.31%	0.44%
30	8	407.010	405.208	-1.802	-0.44%	0.60%
30	9	397.610	403.455	5.845	1.47%	1.95%
30	10	396.928	396.489	-0.439	-0.11%	0.15%
0	11	407.644	407.692	0.048	0.01%	0.02%
Max		421.136	421.282	5.845	1.47%	1.95%
Average		407.179	407.701	0.522	0.13%	0.61%
Min		387.770	387.624	-2.825	-0.68%	0.02%
Std Dev		10.651	10.116	2.651	0.66%	0.64%



30.3 IQ_VS_20p0V_48V_25m

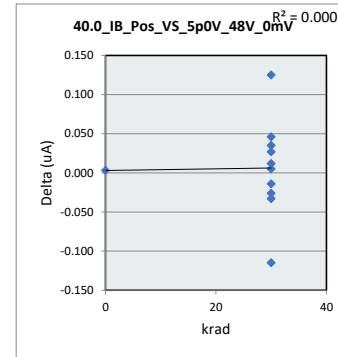
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	500	uA
Min Limit	200	uA
krad	0	30
LL	200.000	200.000
Min	407.692	387.624
Average	407.692	407.702
Max	407.692	421.282
UL	500.000	500.000



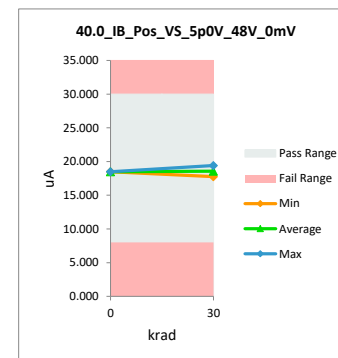
LDR TID Report INA950A1MPWTSEP

40.0_IB_Pos_VS_5p0V_48V_0m		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	8	8

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	18.782	18.787	0.005	0.03%	0.02%
30	2	19.228	19.353	0.125	0.65%	0.57%
30	3	19.443	19.410	-0.033	-0.17%	0.15%
30	4	18.259	18.271	0.012	0.07%	0.05%
30	5	17.787	17.761	-0.026	-0.15%	0.12%
30	6	17.944	17.979	0.035	0.20%	0.16%
30	7	18.720	18.605	-0.115	-0.61%	0.52%
30	8	18.604	18.631	0.027	0.15%	0.12%
30	9	18.530	18.516	-0.014	-0.08%	0.06%
30	10	18.334	18.380	0.046	0.25%	0.21%
0	11	18.485	18.488	0.003	0.02%	0.01%
	Max	19.443	19.410	0.125	0.65%	0.57%
	Average	18.556	18.562	0.006	0.03%	0.18%
	Min	17.787	17.761	-0.115	-0.61%	0.01%
	Std Dev	0.493	0.501	0.059	0.31%	0.19%



40.0_IB_Pos_VS_5p0V_48V_0		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	30	uA
Min Limit	8	uA
krad	0	30
LL	8.000	8.000
Min	18.488	17.761
Average	18.488	18.569
Max	18.488	19.410
UL	30.000	30.000

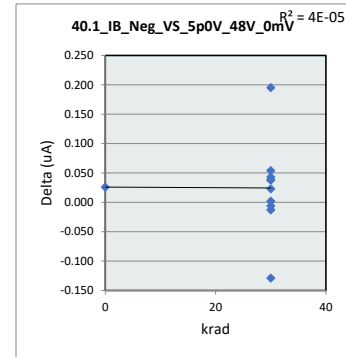


LDR TID Report INA950A1MPWTSEP

40.1_IB_Neg_VS_5p0V_48V_0mV

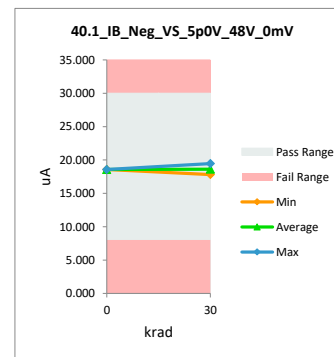
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	8	8

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	18.851	18.845	-0.006	-0.03%	0.03%
30	2	19.213	19.408	0.195	1.01%	0.89%
30	3	19.474	19.461	-0.013	-0.07%	0.06%
30	4	18.338	18.361	0.023	0.13%	0.10%
30	5	17.811	17.813	0.002	0.01%	0.01%
30	6	17.974	18.012	0.038	0.21%	0.17%
30	7	18.772	18.643	-0.129	-0.69%	0.59%
30	8	18.621	18.675	0.054	0.29%	0.25%
30	9	18.534	18.577	0.043	0.23%	0.20%
30	10	18.329	18.367	0.038	0.21%	0.17%
0	11	18.552	18.578	0.026	0.14%	0.12%
Max		19.474	19.461	0.195	1.01%	0.89%
Average		18.588	18.613	0.025	0.13%	0.23%
Min		17.811	17.813	-0.129	-0.69%	0.01%
Std Dev		0.489	0.504	0.076	0.40%	0.27%



40.1_IB_Neg_VS_5p0V_48V_0mV

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	30 uA
Min Limit	8 uA
krad	0 30
LL	8.000 8.000
Min	18.578 17.813
Average	18.578 18.616
Max	18.578 19.461
UL	30.000 30.000

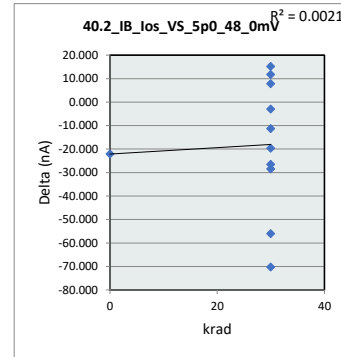


LDR TID Report INA950A1MPWTSEP

40.2_IB_Ios_VS_5p0_48_0mV

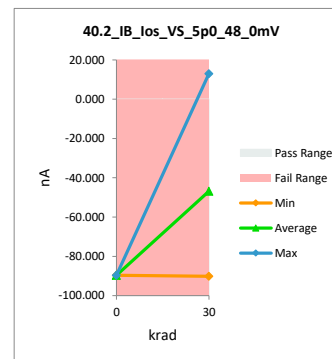
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nA	nA
Max Limit	0	0
Min Limit	0	0

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	-68.967	-57.171	11.796	-17.10%	#DIV/0!
30	2	14.636	-55.631	-70.267	-480.10%	#DIV/0!
30	3	-31.046	-50.709	-19.663	63.34%	#DIV/0!
30	4	-78.857	-90.160	-11.303	14.33%	#DIV/0!
30	5	-24.358	-52.867	-28.509	117.04%	#DIV/0!
30	6	-29.746	-32.691	-2.945	9.90%	#DIV/0!
30	7	-52.755	-37.533	15.222	-28.85%	#DIV/0!
30	8	-17.383	-43.919	-26.536	152.65%	#DIV/0!
30	9	-4.613	-60.643	-56.030	1214.61%	#DIV/0!
30	10	5.194	13.063	7.869	151.50%	#DIV/0!
0	11	-67.527	-89.643	-22.116	32.75%	#DIV/0!
	Max	14.636	13.063	15.222	1214.61%	#DIV/0!
	Average	-32.311	-50.719	-18.407	111.82%	#DIV/0!
	Min	-78.857	-90.160	-70.267	-480.10%	#DIV/0!
	Std Dev	31.369	28.023	27.040	404.31%	#DIV/0!



40.2_IB_Ios_VS_5p0_48_0mV

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	0 nA
Min Limit	0 nA
krad	0 30
LL	0.000 0.000
Min	-89.643 -90.160
Average	-89.643 -46.826
Max	-89.643 13.063
UL	0.000 0.000

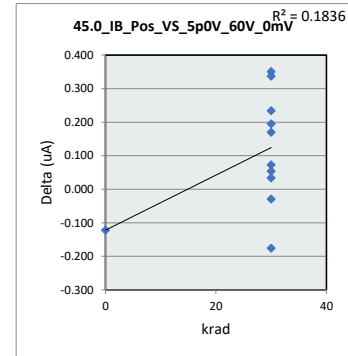


LDR TID Report INA950A1MPWTSEP

45.0_IB_Pos_VS_5p0V_60V_0m

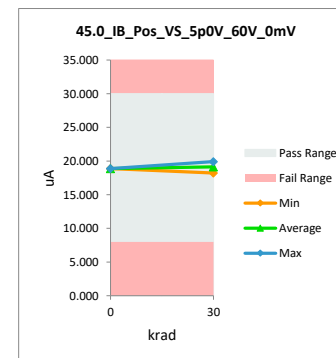
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	8	8

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	19.236	19.270	0.034	0.18%	0.15%
30	2	19.616	19.811	0.195	0.99%	0.89%
30	3	19.865	19.919	0.054	0.27%	0.25%
30	4	18.621	18.958	0.337	1.81%	1.53%
30	5	18.397	18.221	-0.176	-0.96%	0.80%
30	6	18.397	18.631	0.234	1.27%	1.06%
30	7	19.250	19.221	-0.029	-0.15%	0.13%
30	8	18.948	19.299	0.351	1.85%	1.60%
30	9	19.031	19.104	0.073	0.38%	0.33%
30	10	18.763	18.933	0.170	0.91%	0.77%
0	11	19.002	18.880	-0.122	-0.64%	0.55%
Max		19.865	19.919	0.351	1.85%	1.60%
Average		19.011	19.113	0.102	0.54%	0.73%
Min		18.397	18.221	-0.176	-0.96%	0.13%
Std Dev		0.466	0.484	0.173	0.92%	0.51%



45.0_IB_Pos_VS_5p0V_60V_0

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	30 uA
Min Limit	8 uA
krad	0 30
LL	8.000 8.000
Min	18.880 18.221
Average	18.880 19.137
Max	18.880 19.919
UL	30.000 30.000

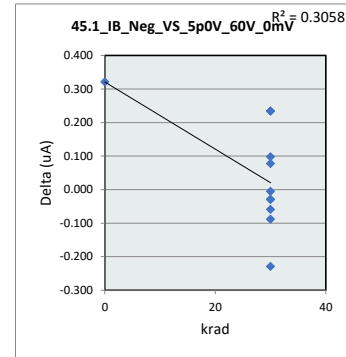


LDR TID Report INA950A1MPWTSEP

45.1_IB_Neg_VS_5p0V_60V_0mV

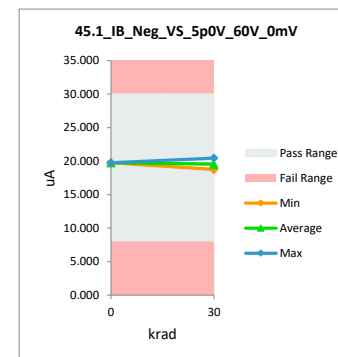
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	8	8

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	19.719	19.714	-0.005	-0.03%	0.02%
30	2	20.144	20.378	0.234	1.16%	1.06%
30	3	20.353	20.451	0.098	0.48%	0.45%
30	4	19.227	19.461	0.234	1.22%	1.06%
30	5	18.676	18.754	0.078	0.42%	0.35%
30	6	18.993	18.905	-0.088	-0.46%	0.40%
30	7	19.661	19.602	-0.059	-0.30%	0.27%
30	8	19.612	19.583	-0.029	-0.15%	0.13%
30	9	19.739	19.510	-0.229	-1.16%	1.04%
30	10	19.246	19.217	-0.029	-0.15%	0.13%
0	11	19.432	19.753	0.321	1.65%	1.46%
Max		20.353	20.451	0.321	1.65%	1.46%
Average		19.527	19.575	0.048	0.24%	0.58%
Min		18.676	18.754	-0.229	-1.16%	0.02%
Std Dev		0.486	0.523	0.164	0.84%	0.49%



45.1_IB_Neg_VS_5p0V_60V_0mV

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	30 uA
Min Limit	8 uA
krad	0 30
LL	8.000 8.000
Min	19.753 18.754
Average	19.753 19.558
Max	19.753 20.451
UL	30.000 30.000

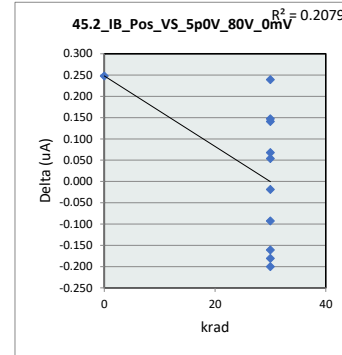


LDR TID Report INA950A1MPWTSEP

45.2_IB_Pos_VS_5p0V_80V_0m

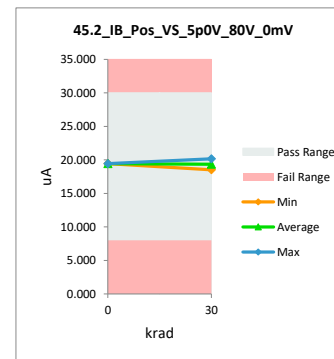
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	8	8

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	19.470	19.611	0.141	0.72%	0.64%
30	2	20.016	20.163	0.147	0.73%	0.67%
30	3	20.182	20.163	-0.019	-0.09%	0.09%
30	4	19.075	18.894	-0.181	-0.95%	0.82%
30	5	18.680	18.519	-0.161	-0.86%	0.73%
30	6	18.597	18.836	0.239	1.29%	1.09%
30	7	19.543	19.450	-0.093	-0.48%	0.42%
30	8	19.367	19.421	0.054	0.28%	0.25%
30	9	19.465	19.265	-0.200	-1.03%	0.91%
30	10	19.119	19.187	0.068	0.36%	0.31%
0	11	19.197	19.445	0.248	1.29%	1.13%
Max		20.182	20.163	0.248	1.29%	1.13%
Average		19.337	19.359	0.022	0.11%	0.64%
Min		18.597	18.519	-0.200	-1.03%	0.09%
Std Dev		0.487	0.511	0.164	0.86%	0.34%



45.2_IB_Pos_VS_5p0V_80V_0

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	30 uA
Min Limit	8 uA
krad	0 30
LL	8.000 8.000
Min	19.445 18.519
Average	19.445 19.351
Max	19.445 20.163
UL	30.000 30.000

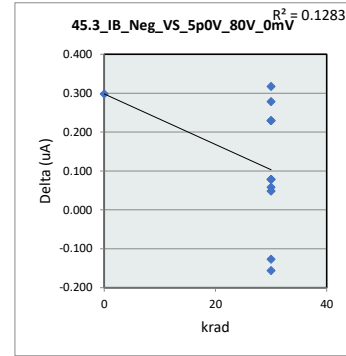


LDR TID Report INA950A1MPWTSEP

45.3_IB_Neg_VS_5p0V_80V_0mV

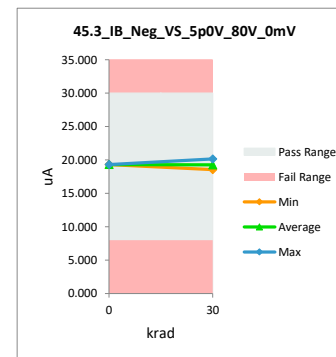
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	30	30
Min Limit	8	8

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	19.232	19.461	0.229	1.19%	1.04%
30	2	19.836	20.153	0.317	1.60%	1.44%
30	3	20.178	20.022	-0.156	-0.77%	0.71%
30	4	18.920	18.793	-0.127	-0.67%	0.58%
30	5	18.471	18.549	0.078	0.42%	0.35%
30	6	18.505	18.783	0.278	1.50%	1.26%
30	7	19.178	19.256	0.078	0.41%	0.35%
30	8	19.222	19.280	0.058	0.30%	0.26%
30	9	19.154	19.202	0.048	0.25%	0.22%
30	10	18.905	19.134	0.229	1.21%	1.04%
0	11	19.007	19.305	0.298	1.57%	1.35%
Max		20.178	20.153	0.317	1.60%	1.44%
Average		19.146	19.267	0.121	0.64%	0.78%
Min		18.471	18.549	-0.156	-0.77%	0.22%
Std Dev		0.505	0.489	0.164	0.85%	0.46%



45.3_IB_Neg_VS_5p0V_80V_0mV

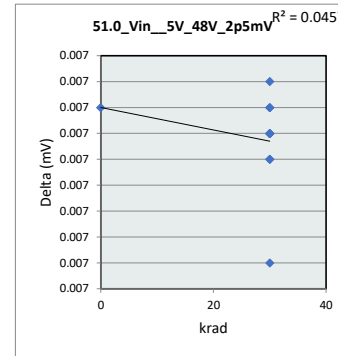
Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	30 uA
Min Limit	8 uA
krad	0 30
LL	8.000 8.000
Min	19.305 18.549
Average	19.305 19.263
Max	19.305 20.153
UL	30.000 30.000



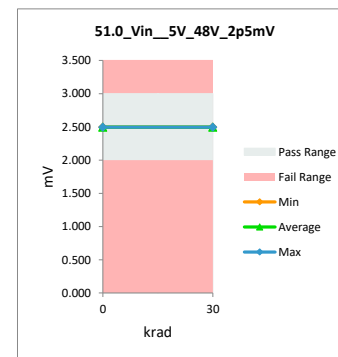
LDR TID Report
INA950A1MPWTSEP

51.0_Vin_5V_48V_2p5mV		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	3	3
Min Limit	2	2

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	2.488	2.495	0.007	0.29%	0.71%
30	2	2.488	2.495	0.007	0.28%	0.70%
30	3	2.489	2.495	0.007	0.27%	0.66%
30	4	2.488	2.495	0.007	0.28%	0.70%
30	5	2.488	2.495	0.007	0.29%	0.72%
30	6	2.488	2.495	0.007	0.29%	0.71%
30	7	2.488	2.495	0.007	0.29%	0.73%
30	8	2.488	2.495	0.007	0.29%	0.71%
30	9	2.488	2.495	0.007	0.29%	0.71%
30	10	2.488	2.495	0.007	0.29%	0.72%
0	11	2.488	2.495	0.007	0.29%	0.72%
Max		2.489	2.495	0.007	0.29%	0.73%
Average		2.488	2.495	0.007	0.28%	0.71%
Min		2.488	2.495	0.007	0.27%	0.66%
Std Dev		0.000	0.000	0.000	0.01%	0.02%



51.0_Vin_5V_48V_2p5mV		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	3	mV
Min Limit	2	mV
krad	0	30
LL	2.000	2.000
Min	2.495	2.495
Average	2.495	2.495
Max	2.495	2.495
UL	3.000	3.000



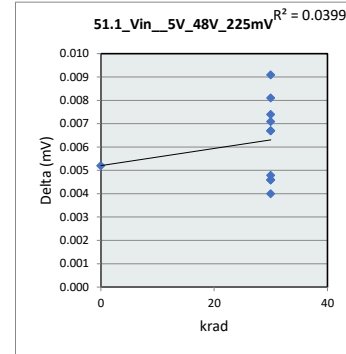
LDR TID Report

INA950A1MPWTSEP

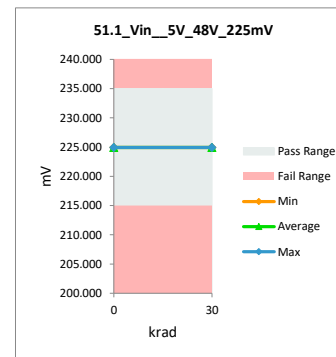
51.1_Vin_5V_48V_225mV

Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	235	235
Min Limit	215	215

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	224.929	224.937	0.008	0.00%	0.04%
30	2	224.929	224.936	0.007	0.00%	0.04%
30	3	224.926	224.936	0.009	0.00%	0.05%
30	4	224.932	224.936	0.004	0.00%	0.02%
30	5	224.931	224.939	0.007	0.00%	0.04%
30	6	224.928	224.933	0.005	0.00%	0.02%
30	7	224.929	224.934	0.005	0.00%	0.02%
30	8	224.931	224.938	0.007	0.00%	0.03%
30	9	224.930	224.936	0.007	0.00%	0.03%
30	10	224.930	224.934	0.005	0.00%	0.02%
0	11	224.929	224.934	0.005	0.00%	0.03%
Max		224.932	224.939	0.009	0.00%	0.05%
Average		224.929	224.936	0.006	0.00%	0.03%
Min		224.926	224.933	0.004	0.00%	0.02%
Std Dev		0.001	0.002	0.002	0.00%	0.01%



51.1_Vin_5V_48V_225mV		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	235	mV
Min Limit	215	mV
krad	0	30
LL	215.000	215.000
Min	224.934	224.933
Average	224.934	224.936
Max	224.934	224.939
UL	235.000	235.000

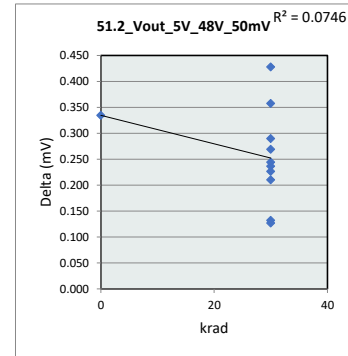


LDR TID Report
INA950A1MPWTSEP

51.2_Vout_5V_48V_50mV

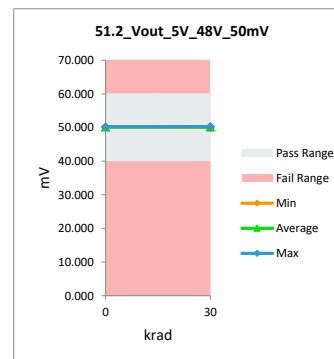
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	60	60
Min Limit	40	40

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	49.975	50.245	0.269	0.54%	1.35%
30	2	49.968	50.100	0.132	0.26%	0.66%
30	3	49.957	50.167	0.210	0.42%	1.05%
30	4	49.935	50.293	0.358	0.72%	1.79%
30	5	49.893	50.183	0.290	0.58%	1.45%
30	6	49.890	50.135	0.245	0.49%	1.22%
30	7	49.659	50.087	0.428	0.86%	2.14%
30	8	49.928	50.164	0.236	0.47%	1.18%
30	9	49.995	50.222	0.227	0.45%	1.13%
30	10	50.032	50.159	0.127	0.25%	0.64%
0	11	49.858	50.192	0.335	0.67%	1.67%
Max		50.032	50.293	0.428	0.86%	2.14%
Average		49.917	50.177	0.260	0.52%	1.30%
Min		49.659	50.087	0.127	0.25%	0.64%
Std Dev		0.099	0.061	0.091	0.18%	0.45%



51.2_Vout_5V_48V_50mV

Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	60 mV	
Min Limit	40 mV	
krad	0	30
LL	40.000	40.000
Min	50.192	50.087
Average	50.192	50.176
Max	50.192	50.293
UL	60.000	60.000

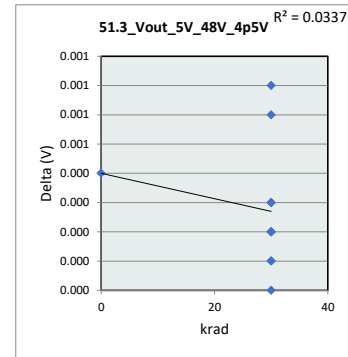


LDR TID Report
INA950A1MPWTSEP

51.3_Vout_5V_48V_4p5V

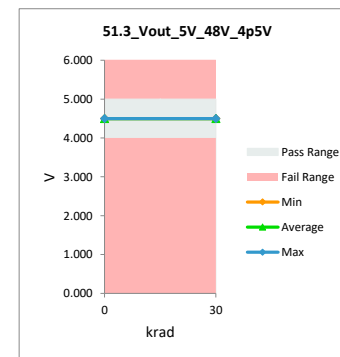
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	V	V
Max Limit	5	5
Min Limit	4	4

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	4.498	4.498	0.000	0.01%	0.03%
30	2	4.498	4.498	0.000	0.00%	0.02%
30	3	4.498	4.498	0.000	0.00%	0.02%
30	4	4.498	4.498	0.001	0.01%	0.06%
30	5	4.498	4.498	0.000	0.01%	0.03%
30	6	4.498	4.498	0.000	0.00%	0.01%
30	7	4.497	4.498	0.001	0.02%	0.07%
30	8	4.498	4.498	0.000	0.00%	0.01%
30	9	4.498	4.498	0.000	0.00%	0.02%
30	10	4.498	4.498	0.000	0.00%	0.00%
0	11	4.498	4.498	0.000	0.01%	0.04%
Max		4.498	4.498	0.001	0.02%	0.07%
Average		4.498	4.498	0.000	0.01%	0.03%
Min		4.497	4.498	0.000	0.00%	0.00%
Std Dev		0.000	0.000	0.000	0.00%	0.02%



51.3_Vout_5V_48V_4p5V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	5 V
Min Limit	4 V
krad	0 30
LL	4.000 4.000
Min	4.498 4.498
Average	4.498 4.498
Max	4.498 4.498
UL	5.000 5.000

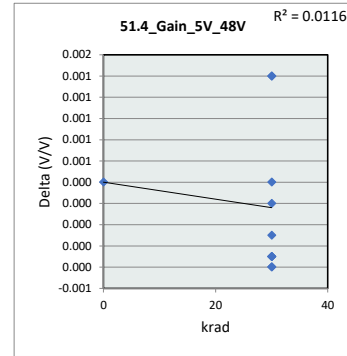


LDR TID Report
INA950A1MPWTSEP

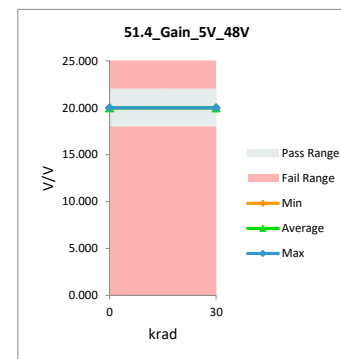
51.4_Gain_5V_48V

Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	V/V	V/V
Max Limit	22	22
Min Limit	18	18

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	19.996	19.997	0.000	0.00%	0.01%
30	2	19.996	19.996	0.000	0.00%	0.01%
30	3	19.997	19.997	0.000	0.00%	0.01%
30	4	19.995	19.996	0.001	0.01%	0.03%
30	5	19.996	19.996	0.000	0.00%	0.01%
30	6	19.996	19.996	0.000	0.00%	0.01%
30	7	19.993	19.994	0.001	0.01%	0.03%
30	8	19.994	19.994	0.000	0.00%	0.01%
30	9	19.996	19.996	0.000	0.00%	0.01%
30	10	19.996	19.996	0.000	0.00%	0.00%
0	11	19.995	19.996	0.000	0.00%	0.01%
Max		19.997	19.997	0.001	0.01%	0.03%
Average		19.995	19.996	0.000	0.00%	0.01%
Min		19.993	19.994	0.000	0.00%	0.00%
Std Dev		0.001	0.001	0.001	0.00%	0.01%



51.4_Gain_5V_48V		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	22	V/V
Min Limit	18	V/V
krad	0	30
LL	18.000	18.000
Min	19.996	19.994
Average	19.996	19.996
Max	19.996	19.997
UL	22.000	22.000

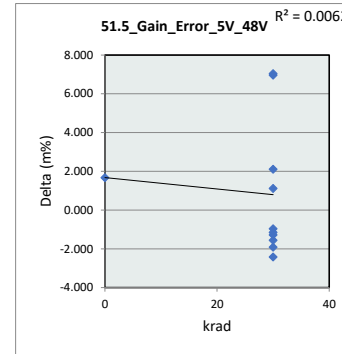


LDR TID Report INA950A1MPWTSEP

51.5_Gain_Error_5V_48V

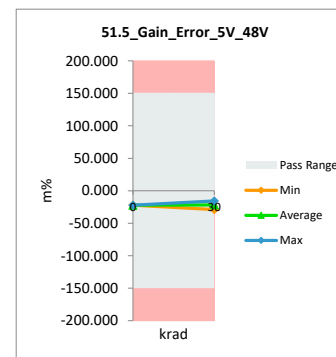
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	m%	m%
Max Limit	150	150
Min Limit	-150	-150

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	-18.621	-17.503	1.118	-6.01%	0.37%
30	2	-22.214	-20.099	2.114	-9.52%	0.70%
30	3	-13.261	-15.677	-2.417	18.22%	0.81%
30	4	-27.045	-20.084	6.961	-25.74%	2.32%
30	5	-20.401	-22.316	-1.914	9.38%	0.64%
30	6	-20.725	-21.876	-1.151	5.55%	0.38%
30	7	-35.104	-28.056	7.048	-20.08%	2.35%
30	8	-27.658	-28.938	-1.280	4.63%	0.43%
30	9	-20.335	-21.894	-1.560	7.67%	0.52%
30	10	-20.270	-21.237	-0.966	4.77%	0.32%
0	11	-23.869	-22.192	1.677	-7.03%	0.56%
Max		-13.261	-15.677	7.048	18.22%	2.35%
Average		-22.682	-21.807	0.875	-1.65%	0.85%
Min		-35.104	-28.938	-2.417	-25.74%	0.32%
Std Dev		5.704	3.907	3.377	13.29%	0.75%



51.5_Gain_Error_5V_48V

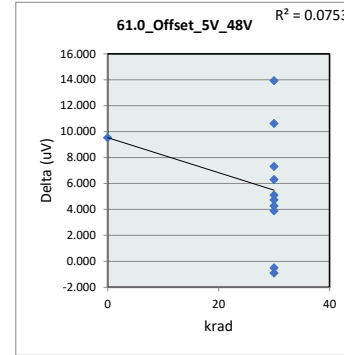
Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	150 m%
Min Limit	-150 m%
krad	0 30
LL	-150.000 -150.000
Min	-22.192 -28.938
Average	-22.192 -21.768
Max	-22.192 -15.677
UL	150.000 150.000



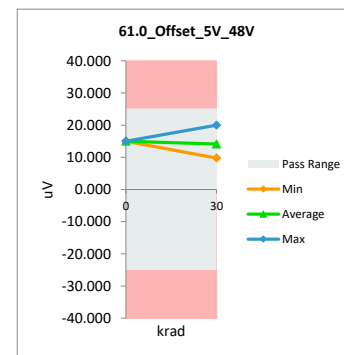
LDR TID Report INA950A1MPWTSEP

61.0_Offset_5V_48V		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uV	uV
Max Limit	25	25
Min Limit	-25	-25

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	11.118	17.437	6.319	56.84%	12.64%
30	2	10.783	10.280	-0.503	-4.66%	1.01%
30	3	9.711	13.612	3.902	40.18%	7.80%
30	4	9.355	19.998	10.643	113.77%	21.29%
30	5	7.045	14.368	7.322	103.94%	14.64%
30	6	6.931	12.050	5.120	73.87%	10.24%
30	7	-4.168	9.767	13.934	-334.34%	27.87%
30	8	8.991	13.742	4.750	52.83%	9.50%
30	9	12.352	16.633	4.281	34.66%	8.56%
30	10	14.257	13.359	-0.899	-6.30%	1.80%
0	11	5.470	15.007	9.538	174.37%	19.08%
	Max	14.257	19.998	13.934	174.37%	27.87%
	Average	8.350	14.205	5.855	27.74%	12.22%
	Min	-4.168	9.767	-0.899	-334.34%	1.01%
	Std Dev	4.863	3.026	4.452	131.08%	8.12%



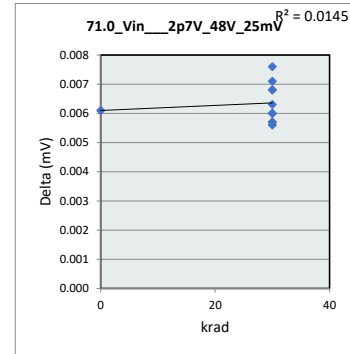
61.0_Offset_5V_48V		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	25	uV
Min Limit	-25	uV
krad	0	30
LL	-25.000	-25.000
Min	15.008	9.767
Average	15.008	14.125
Max	15.008	19.998
UL	25.000	25.000



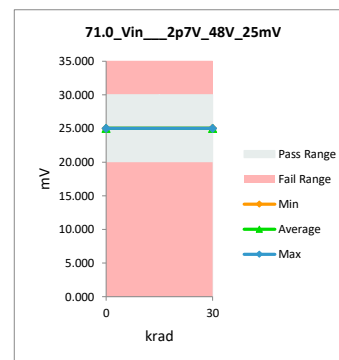
LDR TID Report INA950A1MPWTSEP

71.0_Vin__2p7V_48V_25mV		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	30	30
Min Limit	20	20

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	25.022	25.028	0.006	0.02%	0.06%
30	2	25.021	25.027	0.006	0.02%	0.06%
30	3	25.022	25.027	0.006	0.02%	0.06%
30	4	25.020	25.028	0.008	0.03%	0.08%
30	5	25.021	25.027	0.006	0.02%	0.06%
30	6	25.022	25.027	0.006	0.02%	0.06%
30	7	25.020	25.027	0.007	0.03%	0.07%
30	8	25.021	25.028	0.007	0.03%	0.07%
30	9	25.020	25.027	0.007	0.03%	0.07%
30	10	25.021	25.027	0.006	0.03%	0.06%
0	11	25.021	25.027	0.006	0.02%	0.06%
Max		25.022	25.028	0.008	0.03%	0.08%
Average		25.021	25.027	0.006	0.03%	0.06%
Min		25.020	25.027	0.006	0.02%	0.06%
Std Dev		0.001	0.000	0.001	0.00%	0.01%



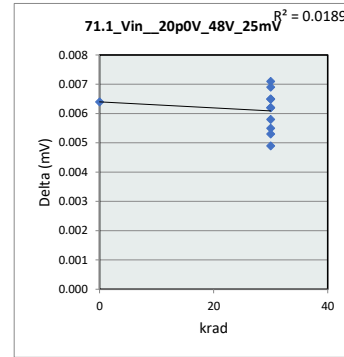
71.0_Vin__2p7V_48V_25mV		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	30	mV
Min Limit	20	mV
krad	0	30
LL	20.000	20.000
Min	25.027	25.027
Average	25.027	25.027
Max	25.027	25.028
UL	30.000	30.000



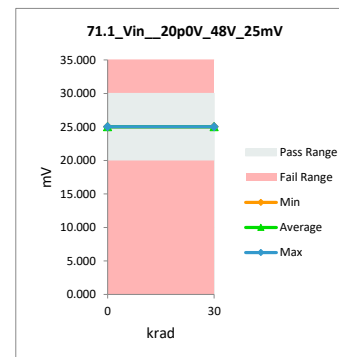
LDR TID Report INA950A1MPWTSEP

71.1_Vin_20p0V_48V_25mV		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	30	30
Min Limit	20	20

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	25.022	25.028	0.006	0.02%	0.06%
30	2	25.022	25.027	0.005	0.02%	0.05%
30	3	25.022	25.027	0.005	0.02%	0.05%
30	4	25.022	25.027	0.005	0.02%	0.05%
30	5	25.022	25.028	0.006	0.02%	0.06%
30	6	25.021	25.028	0.007	0.03%	0.07%
30	7	25.021	25.027	0.006	0.02%	0.06%
30	8	25.021	25.028	0.007	0.03%	0.07%
30	9	25.021	25.028	0.007	0.03%	0.07%
30	10	25.021	25.027	0.007	0.03%	0.07%
0	11	25.021	25.028	0.006	0.03%	0.06%
Max		25.022	25.028	0.007	0.03%	0.07%
Average		25.021	25.028	0.006	0.02%	0.06%
Min		25.021	25.027	0.005	0.02%	0.05%
Std Dev		0.000	0.000	0.001	0.00%	0.01%



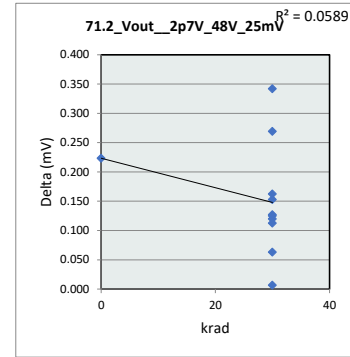
71.1_Vin_20p0V_48V_25mV		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	30	mV
Min Limit	20	mV
krad	0	30
LL	20.000	20.000
Min	25.028	25.027
Average	25.028	25.028
Max	25.028	25.028
UL	30.000	30.000



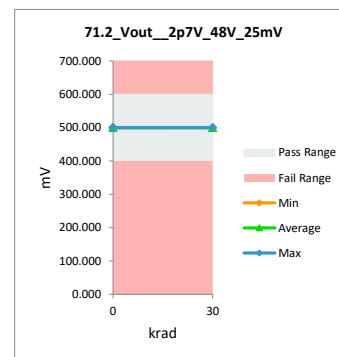
LDR TID Report INA950A1MPWTSEP

71.2_Vout_2p7V_48V_25mV		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	600	600
Min Limit	400	400

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	499.848	500.000	0.153	0.03%	0.08%
30	2	499.883	499.945	0.063	0.01%	0.03%
30	3	499.866	499.979	0.113	0.02%	0.06%
30	4	499.785	500.054	0.269	0.05%	0.13%
30	5	499.792	499.954	0.162	0.03%	0.08%
30	6	499.780	499.906	0.127	0.03%	0.06%
30	7	499.532	499.874	0.342	0.07%	0.17%
30	8	499.785	499.905	0.120	0.02%	0.06%
30	9	499.857	499.982	0.125	0.02%	0.06%
30	10	499.934	499.941	0.007	0.00%	0.00%
0	11	499.735	499.959	0.223	0.04%	0.11%
Max		499.934	500.054	0.342	0.07%	0.17%
Average		499.800	499.955	0.155	0.03%	0.08%
Min		499.532	499.874	0.007	0.00%	0.00%
Std Dev		0.106	0.050	0.094	0.02%	0.05%



71.2_Vout_2p7V_48V_25mV		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	600	mV
Min Limit	400	mV
krad	0	30
LL	400.000	400.000
Min	499.959	499.874
Average	499.959	499.954
Max	499.959	500.054
UL	600.000	600.000

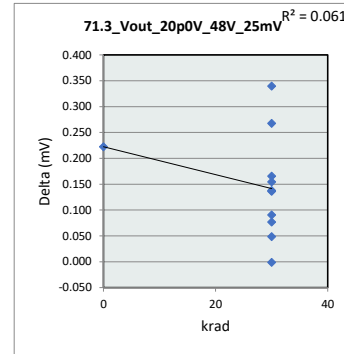


LDR TID Report INA950A1MPWTSEP

71.3_Vout_20p0V_48V_25mV

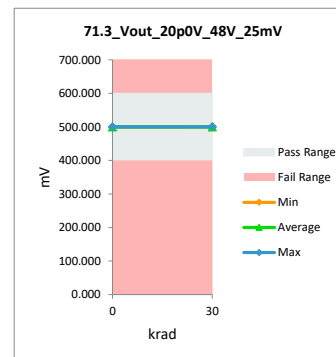
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	600	600
Min Limit	400	400

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	499.864	500.030	0.165	0.03%	0.08%
30	2	499.846	499.895	0.048	0.01%	0.02%
30	3	499.885	499.962	0.077	0.02%	0.04%
30	4	499.794	500.061	0.267	0.05%	0.13%
30	5	499.782	499.936	0.154	0.03%	0.08%
30	6	499.762	499.898	0.136	0.03%	0.07%
30	7	499.477	499.816	0.340	0.07%	0.17%
30	8	499.782	499.920	0.138	0.03%	0.07%
30	9	499.892	499.982	0.090	0.02%	0.05%
30	10	499.931	499.930	-0.001	0.00%	0.00%
0	11	499.730	499.953	0.222	0.04%	0.11%
Max		499.931	500.061	0.340	0.07%	0.17%
Average		499.795	499.944	0.149	0.03%	0.07%
Min		499.477	499.816	-0.001	0.00%	0.00%
Std Dev		0.123	0.067	0.099	0.02%	0.05%



71.3_Vout_20p0V_48V_25mV

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	600 mV
Min Limit	400 mV
krad	0 30
LL	400.000 400.000
Min	499.953 499.816
Average	499.953 499.943
Max	499.953 500.061
UL	600.000 600.000

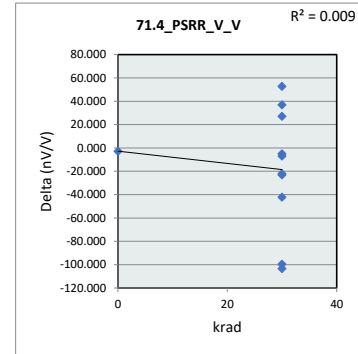


LDR TID Report INA950A1MPWTSEP

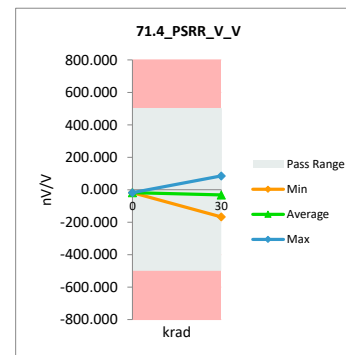
71.4_PSRR_V_V

Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nV/V	nV/V
Max Limit	500	500
Min Limit	-500	-500

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	48.113	85.135	37.022	76.95%	3.70%
30	2	-104.491	-146.558	-42.067	40.26%	4.21%
30	3	53.005	-50.329	-103.334	-194.95%	10.33%
30	4	24.403	19.429	-4.974	-20.38%	0.50%
30	5	-28.303	-51.328	-23.025	81.35%	2.30%
30	6	-50.868	-23.713	27.154	-53.38%	2.72%
30	7	-160.583	-167.532	-6.949	4.33%	0.69%
30	8	-8.185	44.523	52.708	-643.93%	5.27%
30	9	101.124	1.530	-99.594	-98.49%	9.96%
30	10	-8.873	-30.903	-22.030	248.28%	2.20%
0	11	-15.299	-18.053	-2.753	18.00%	0.28%
	Max	101.124	85.135	52.708	248.28%	10.33%
	Average	-13.632	-30.709	-17.077	-49.27%	3.83%
	Min	-160.583	-167.532	-103.334	-643.93%	0.28%
	Std Dev	73.740	74.695	50.141	226.95%	3.49%



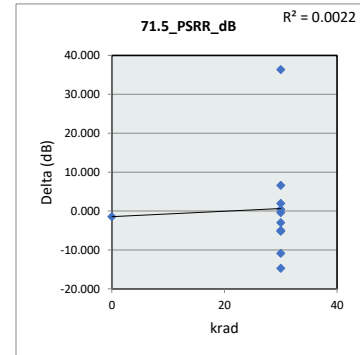
71.4_PSRR_V_V		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	500	nV/V
Min Limit	-500	nV/V
krad	0	30
LL	-500.000	-500.000
Min	-18.053	-167.532
Average	-18.053	-31.975
Max	-18.053	85.135
UL	500.000	500.000



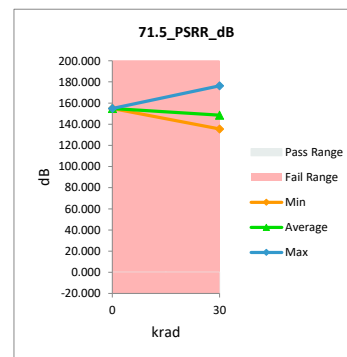
LDR TID Report INA950A1MPWTSEP

71.5_PSRR_dB		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	dB	dB
Max Limit	0	0
Min Limit	0	0

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	146.355	141.398	-4.957	-3.39%	#DIV/0!
30	2	139.618	136.680	-2.938	-2.10%	#DIV/0!
30	3	145.514	145.964	0.450	0.31%	#DIV/0!
30	4	152.251	154.231	1.980	1.30%	#DIV/0!
30	5	150.963	145.793	-5.170	-3.42%	#DIV/0!
30	6	145.871	152.500	6.629	4.54%	#DIV/0!
30	7	135.886	135.518	-0.368	-0.27%	#DIV/0!
30	8	161.739	147.028	-14.711	-9.10%	#DIV/0!
30	9	139.903	176.307	36.404	26.02%	#DIV/0!
30	10	161.038	150.200	-10.838	-6.73%	#DIV/0!
0	11	156.307	154.869	-1.438	-0.92%	#DIV/0!
	Max	161.739	176.307	36.404	26.02%	#DIV/0!
	Average	148.677	149.135	0.458	0.57%	#DIV/0!
	Min	135.886	135.518	-14.711	-9.10%	#DIV/0!
	Std Dev	8.635	11.116	13.293	9.23%	#DIV/0!



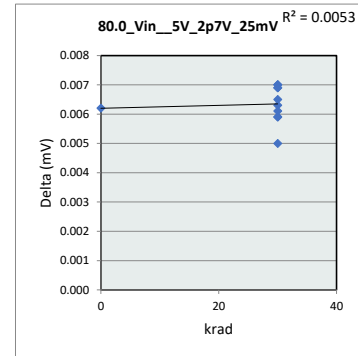
71.5_PSRR_dB		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	0	dB
Min Limit	0	dB
krad	0	30
LL	0.000	0.000
Min	154.869	135.518
Average	154.869	148.562
Max	154.869	176.307
UL	0.000	0.000



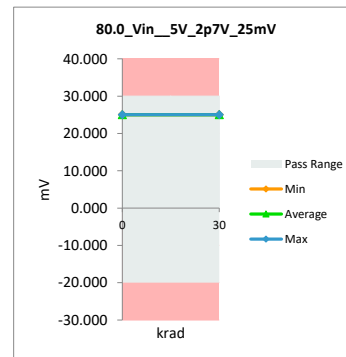
LDR TID Report
INA950A1MPWTSEP

80.0_Vin_5V_2p7V_25mV		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	30	30
Min Limit	-20	-20

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	25.021	25.028	0.007	0.03%	0.01%
30	2	25.021	25.028	0.007	0.03%	0.01%
30	3	25.022	25.027	0.005	0.02%	0.01%
30	4	25.021	25.028	0.007	0.03%	0.01%
30	5	25.021	25.027	0.006	0.02%	0.01%
30	6	25.021	25.027	0.006	0.03%	0.01%
30	7	25.021	25.028	0.007	0.03%	0.01%
30	8	25.021	25.026	0.006	0.02%	0.01%
30	9	25.021	25.028	0.007	0.03%	0.01%
30	10	25.021	25.027	0.006	0.02%	0.01%
0	11	25.021	25.027	0.006	0.02%	0.01%
	Max	25.022	25.028	0.007	0.03%	0.01%
	Average	25.021	25.027	0.006	0.03%	0.01%
	Min	25.021	25.026	0.005	0.02%	0.01%
	Std Dev	0.000	0.000	0.001	0.00%	0.00%



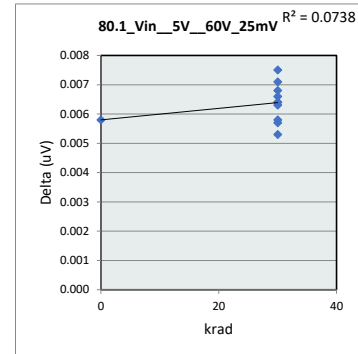
80.0_Vin_5V_2p7V_25mV		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	30	mV
Min Limit	-20	mV
krad	0	30
LL	-20.000	-20.000
Min	25.027	25.026
Average	25.027	25.027
Max	25.027	25.028
UL	30.000	30.000



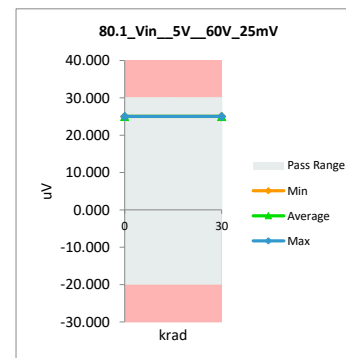
LDR TID Report
INA950A1MPWTSEP

80.1_Vin_5V_60V_25mV		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uV	uV
Max Limit	30	30
Min Limit	-20	-20

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	25.022	25.028	0.007	0.03%	0.01%
30	2	25.023	25.029	0.006	0.03%	0.01%
30	3	25.022	25.028	0.006	0.02%	0.01%
30	4	25.022	25.028	0.005	0.02%	0.01%
30	5	25.022	25.029	0.006	0.03%	0.01%
30	6	25.022	25.029	0.006	0.03%	0.01%
30	7	25.021	25.029	0.007	0.03%	0.01%
30	8	25.023	25.028	0.006	0.02%	0.01%
30	9	25.021	25.028	0.007	0.03%	0.01%
30	10	25.022	25.028	0.007	0.03%	0.01%
0	11	25.022	25.028	0.006	0.02%	0.01%
	Max	25.023	25.029	0.007	0.03%	0.01%
	Average	25.022	25.028	0.006	0.03%	0.01%
	Min	25.021	25.028	0.005	0.02%	0.01%
	Std Dev	0.000	0.000	0.001	0.00%	0.00%



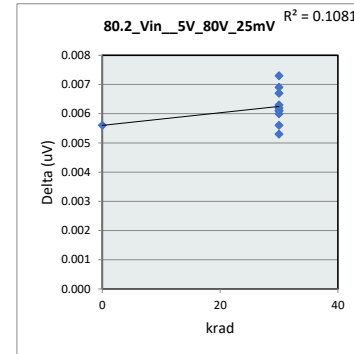
80.1_Vin_5V_60V_25mV		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	30	uV
Min Limit	-20	uV
krad	0	30
LL	-20.000	-20.000
Min	25.028	25.028
Average	25.028	25.029
Max	25.028	25.029
UL	30.000	30.000



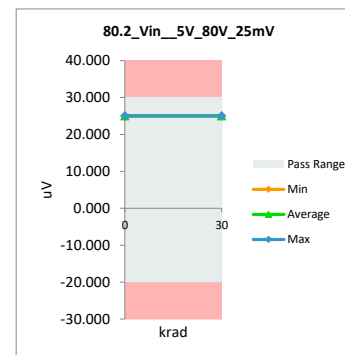
LDR TID Report
INA950A1MPWTSEP

80.2_Vin_5V_80V_25mV		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uV	uV
Max Limit	30	30
Min Limit	-20	-20

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	25.022	25.029	0.006	0.03%	0.01%
30	2	25.023	25.029	0.006	0.02%	0.01%
30	3	25.023	25.029	0.006	0.02%	0.01%
30	4	25.023	25.028	0.005	0.02%	0.01%
30	5	25.022	25.029	0.007	0.03%	0.01%
30	6	25.022	25.028	0.006	0.02%	0.01%
30	7	25.021	25.028	0.007	0.03%	0.01%
30	8	25.022	25.029	0.007	0.03%	0.01%
30	9	25.022	25.028	0.006	0.02%	0.01%
30	10	25.022	25.028	0.006	0.02%	0.01%
0	11	25.022	25.028	0.006	0.02%	0.01%
	Max	25.023	25.029	0.007	0.03%	0.01%
	Average	25.022	25.029	0.006	0.02%	0.01%
	Min	25.021	25.028	0.005	0.02%	0.01%
	Std Dev	0.001	0.000	0.001	0.00%	0.00%



80.2_Vin_5V_80V_25mV		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	30	uV
Min Limit	-20	uV
krad	0	30
LL	-20.000	-20.000
Min	25.028	25.028
Average	25.028	25.029
Max	25.028	25.029
UL	30.000	30.000

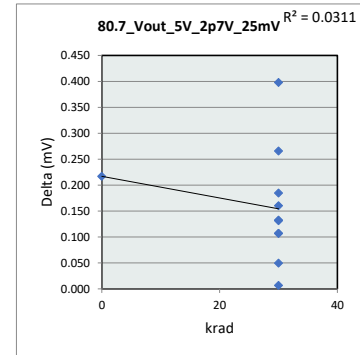


LDR TID Report
INA950A1MPWTSEP

80.7_Vout_5V_2p7V_25mV

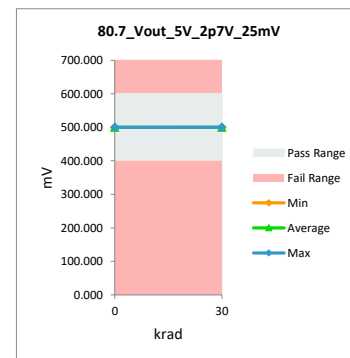
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	600	600
Min Limit	400	400

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	499.812	499.973	0.160	0.03%	0.08%
30	2	499.802	499.852	0.049	0.01%	0.02%
30	3	499.823	499.930	0.107	0.02%	0.05%
30	4	499.746	500.012	0.266	0.05%	0.13%
30	5	499.731	499.916	0.185	0.04%	0.09%
30	6	499.726	499.859	0.132	0.03%	0.07%
30	7	499.386	499.784	0.398	0.08%	0.20%
30	8	499.730	499.862	0.132	0.03%	0.07%
30	9	499.846	499.953	0.107	0.02%	0.05%
30	10	499.884	499.891	0.007	0.00%	0.00%
0	11	499.687	499.904	0.217	0.04%	0.11%
Max		499.884	500.012	0.398	0.08%	0.20%
Average		499.743	499.903	0.160	0.03%	0.08%
Min		499.386	499.784	0.007	0.00%	0.00%
Std Dev		0.133	0.064	0.107	0.02%	0.05%



80.7_Vout_5V_2p7V_25mV

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	600 mV
Min Limit	400 mV
krad	0 30
LL	400.000 400.000
Min	499.904 499.784
Average	499.904 499.903
Max	499.904 500.012
UL	600.000 600.000

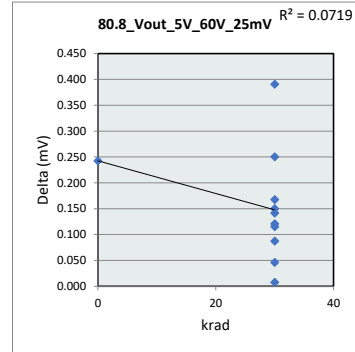


LDR TID Report
INA950A1MPWTSEP

80.8_Vout_5V_60V_25mV

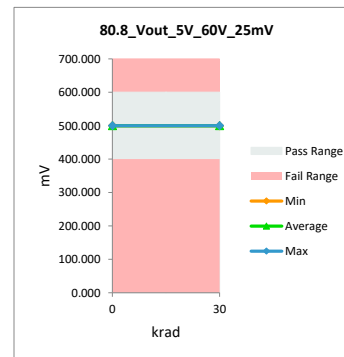
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	600	600
Min Limit	400	400

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	499.842	500.009	0.168	0.03%	0.08%
30	2	499.826	499.872	0.046	0.01%	0.02%
30	3	499.819	499.940	0.121	0.02%	0.06%
30	4	499.772	500.022	0.251	0.05%	0.13%
30	5	499.776	499.926	0.150	0.03%	0.08%
30	6	499.745	499.887	0.142	0.03%	0.07%
30	7	499.419	499.810	0.391	0.08%	0.20%
30	8	499.757	499.873	0.116	0.02%	0.06%
30	9	499.870	499.958	0.088	0.02%	0.04%
30	10	499.897	499.905	0.008	0.00%	0.00%
0	11	499.699	499.942	0.243	0.05%	0.12%
Max		499.897	500.022	0.391	0.08%	0.20%
Average		499.766	499.922	0.156	0.03%	0.08%
Min		499.419	499.810	0.008	0.00%	0.00%
Std Dev		0.129	0.062	0.107	0.02%	0.05%



80.8_Vout_5V_60V_25mV

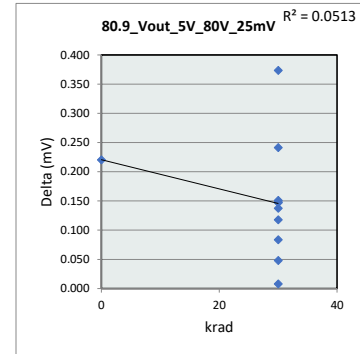
Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	600 mV
Min Limit	400 mV
krad	0 30
LL	400.000 400.000
Min	499.942 499.810
Average	499.942 499.920
Max	499.942 500.023
UL	600.000 600.000



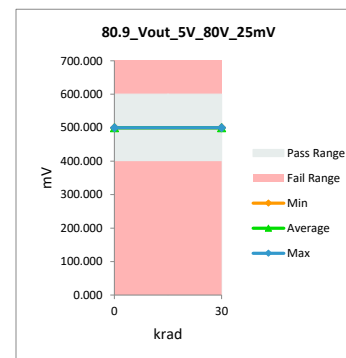
LDR TID Report
INA950A1MPWTSEP

80.9_Vout_5V_80V_25mV		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	600	600
Min Limit	400	400

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	499.848	499.999	0.151	0.03%	0.08%
30	2	499.816	499.865	0.048	0.01%	0.02%
30	3	499.825	499.943	0.118	0.02%	0.06%
30	4	499.797	500.039	0.242	0.05%	0.12%
30	5	499.767	499.915	0.148	0.03%	0.07%
30	6	499.742	499.879	0.137	0.03%	0.07%
30	7	499.431	499.805	0.374	0.07%	0.19%
30	8	499.745	499.892	0.147	0.03%	0.07%
30	9	499.877	499.961	0.084	0.02%	0.04%
30	10	499.886	499.895	0.008	0.00%	0.00%
0	11	499.719	499.940	0.221	0.04%	0.11%
	Max	499.886	500.039	0.374	0.07%	0.19%
	Average	499.768	499.921	0.153	0.03%	0.08%
	Min	499.431	499.805	0.008	0.00%	0.00%
	Std Dev	0.125	0.065	0.100	0.02%	0.05%



80.9_Vout_5V_80V_25mV		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	600	mV
Min Limit	400	mV
krad	0	30
LL	400.000	400.000
Min	499.940	499.805
Average	499.940	499.919
Max	499.940	500.039
UL	600.000	600.000

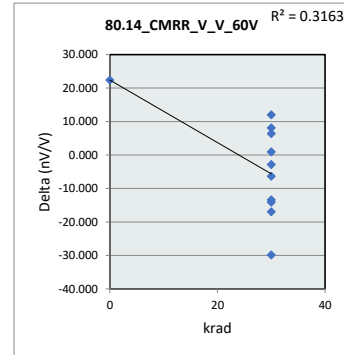


LDR TID Report
INA950A1MPWTSEP

80.14_CMRR_V_V_60V

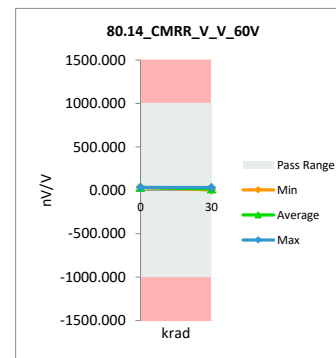
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nV/V	nV/V
Max Limit	1000	1000
Min Limit	-1000	-1000

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	25.866	32.217	6.351	24.55%	0.32%
30	2	20.786	17.899	-2.887	-13.89%	0.14%
30	3	-3.695	8.314	12.009	-325.01%	0.60%
30	4	22.520	9.123	-13.397	-59.49%	0.67%
30	5	38.569	8.661	-29.908	-77.54%	1.50%
30	6	16.167	24.250	8.084	50.00%	0.40%
30	7	28.758	22.404	-6.354	-22.09%	0.32%
30	8	23.906	9.816	-14.089	-58.94%	0.70%
30	9	21.017	4.042	-16.975	-80.77%	0.85%
30	10	11.548	12.472	0.924	8.00%	0.05%
0	11	10.855	33.258	22.403	206.38%	1.12%
	Max	38.569	33.258	22.403	206.38%	1.50%
	Average	19.663	16.587	-3.076	-31.71%	0.61%
	Min	-3.695	4.042	-29.908	-325.01%	0.05%
	Std Dev	10.996	10.118	15.026	126.71%	0.43%



80.14_CMRR_V_V_60V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	1000 nV/V
Min Limit	-1000 nV/V
krad	0 30
LL	-1000.000 -1000.000
Min	33.258 4.042
Average	33.258 14.920
Max	33.258 32.217
UL	1000.000 1000.000

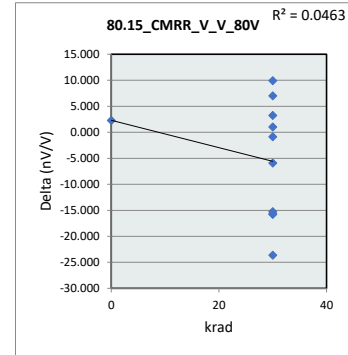


LDR TID Report INA950A1MPWTSEP

80.15_CMRR_V_V_80V

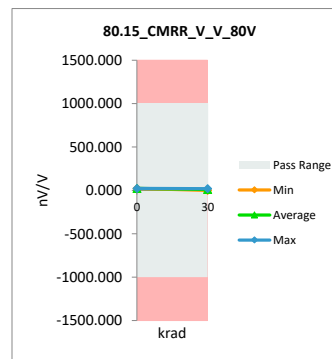
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nV/V	nV/V
Max Limit	1000	1000
Min Limit	-1000	-1000

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	23.026	17.119	-5.906	-25.65%	0.30%
30	2	9.245	8.389	-0.856	-9.26%	0.04%
30	3	0.942	7.960	7.019	745.50%	0.35%
30	4	32.958	17.205	-15.753	-47.80%	0.79%
30	5	22.855	-0.770	-23.625	-103.37%	1.18%
30	6	9.844	13.097	3.253	33.04%	0.16%
30	7	29.536	13.868	-15.668	-53.05%	0.78%
30	8	9.845	19.775	9.931	100.87%	0.50%
30	9	20.030	4.794	-15.237	-76.07%	0.76%
30	10	1.370	2.397	1.027	75.00%	0.05%
0	11	20.887	23.198	2.311	11.06%	0.12%
Max		32.958	23.198	9.931	745.50%	1.18%
Average		16.412	11.548	-4.864	59.12%	0.46%
Min		0.942	-0.770	-23.625	-103.37%	0.04%
Std Dev		10.806	7.604	11.064	235.94%	0.38%



80.15_CMRR_V_V_80V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	1000 nV/V
Min Limit	-1000 nV/V
krad	0 30
LL	-1000.000 -1000.000
Min	23.198 -0.770
Average	23.198 10.383
Max	23.198 19.775
UL	1000.000 1000.000

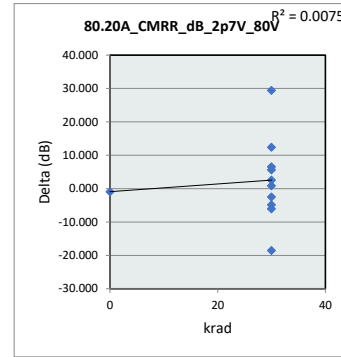


LDR TID Report INA950A1MPWTSEP

80.20A_CMRR_dB_2p7V_80V

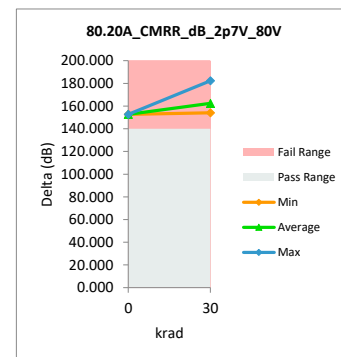
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	dB	dB
Max Limit		
Min Limit	140	140

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	152.756	155.330	2.575	1.69%	1.84%
30	2	160.682	161.526	0.844	0.53%	0.60%
30	3	180.524	161.981	-18.542	-10.27%	13.24%
30	4	149.641	155.287	5.646	3.77%	4.03%
30	5	152.820	182.266	29.445	19.27%	21.03%
30	6	160.137	157.657	-2.480	-1.55%	1.77%
30	7	150.593	157.160	6.567	4.36%	4.69%
30	8	160.136	154.078	-6.058	-3.78%	4.33%
30	9	153.966	166.387	12.421	8.07%	8.87%
30	10	177.268	172.407	-4.861	-2.74%	3.47%
0	11	153.602	152.691	-0.911	-0.59%	0.65%
Max		180.524	182.266	29.445	19.27%	21.03%
Average		159.284	161.524	2.240	1.70%	5.87%
Min		149.641	152.691	-18.542	-10.27%	0.60%
Std Dev		10.447	9.040	12.081	7.56%	6.28%



80.20A_CMRR_dB_2p7V_80V

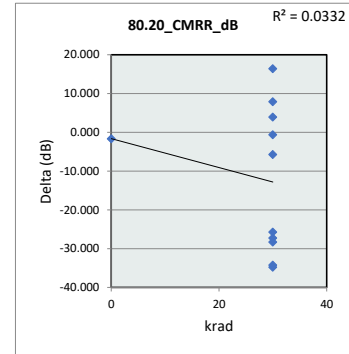
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	dB	
Min Limit	140	
	dB	
krad	0	30
LL	140.000	140.000
Min	152.691	154.078
Average	152.691	162.408
Max	152.691	182.266
UL		



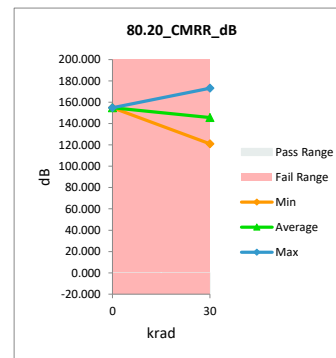
LDR TID Report INA950A1MPWTSEP

80.20_CMRR_dB		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	dB	dB
Max Limit	0	0
Min Limit	0	0

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	157.049	122.281	-34.768	-22.14%	#DIV/0!
30	2	159.916	134.204	-25.712	-16.08%	#DIV/0!
30	3	158.204	130.978	-27.226	-17.21%	#DIV/0!
30	4	155.230	121.015	-34.215	-22.04%	#DIV/0!
30	5	155.815	127.538	-28.277	-18.15%	#DIV/0!
30	6	168.323	162.627	-5.696	-3.38%	#DIV/0!
30	7	156.091	160.062	3.971	2.54%	#DIV/0!
30	8	158.695	158.084	-0.611	-0.39%	#DIV/0!
30	9	156.741	173.152	16.411	10.47%	#DIV/0!
30	10	158.570	166.487	7.917	4.99%	#DIV/0!
0	11	156.475	154.843	-1.632	-1.04%	#DIV/0!
	Max	168.323	173.152	16.411	10.47%	#DIV/0!
	Average	158.283	146.479	-11.803	-7.49%	#DIV/0!
	Min	155.230	121.015	-34.768	-22.14%	#DIV/0!
	Std Dev	3.621	19.353	18.526	11.82%	#DIV/0!



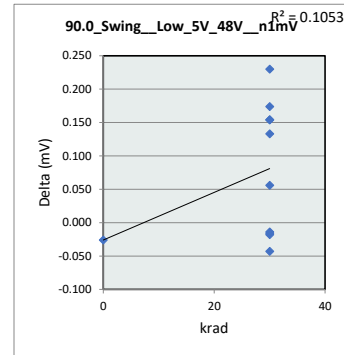
80.20_CMRR_dB		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	0	dB
Min Limit	0	dB
	krad	
	0	30
LL	0.000	0.000
Min	154.843	121.015
Average	154.843	145.643
Max	154.843	173.152
UL	0.000	0.000



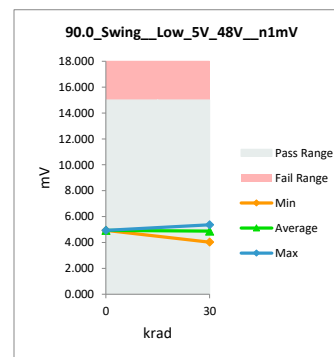
LDR TID Report INA950A1MPWTSEP

90.0_Swing_Low_5V_48V_n1		
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	15	15
Min Limit	0	0

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	5.006	5.180	0.174	3.48%	1.16%
30	2	5.212	5.366	0.154	2.95%	1.03%
30	3	5.053	5.207	0.154	3.05%	1.03%
30	4	4.959	5.092	0.133	2.68%	0.89%
30	5	4.664	4.894	0.230	4.93%	1.53%
30	6	4.038	4.022	-0.016	-0.40%	0.11%
30	7	4.984	4.966	-0.018	-0.36%	0.12%
30	8	4.617	4.603	-0.014	-0.30%	0.09%
30	9	4.714	4.770	0.056	1.19%	0.37%
30	10	4.718	4.675	-0.043	-0.91%	0.29%
0	11	4.960	4.934	-0.026	-0.52%	0.17%
Max		5.212	5.366	0.230	4.93%	1.53%
Average		4.811	4.883	0.071	1.43%	0.62%
Min		4.038	4.022	-0.043	-0.91%	0.09%
Std Dev		0.317	0.368	0.099	2.05%	0.52%



90.0_Swing_Low_5V_48V_n1		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	15	mV
Min Limit	0	mV
krad	0	30
LL	0.000	0.000
Min	4.934	4.022
Average	4.934	4.878
Max	4.934	5.366
UL	15.000	15.000

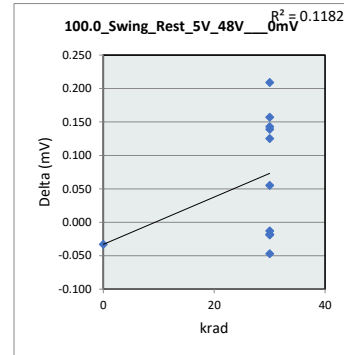


LDR TID Report INA950A1MPWTSEP

100.0_Swing_Rest_5V_48V_0

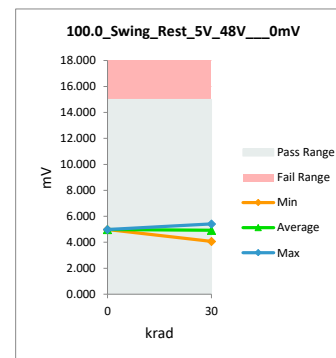
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	15	15
Min Limit	0	0

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	5.060	5.217	0.157	3.10%	1.05%
30	2	5.271	5.414	0.143	2.71%	0.95%
30	3	5.108	5.247	0.139	2.72%	0.93%
30	4	5.014	5.139	0.125	2.49%	0.83%
30	5	4.717	4.926	0.209	4.43%	1.39%
30	6	4.087	4.069	-0.018	-0.44%	0.12%
30	7	5.038	5.019	-0.019	-0.38%	0.13%
30	8	4.671	4.658	-0.013	-0.28%	0.09%
30	9	4.773	4.828	0.055	1.15%	0.37%
30	10	4.773	4.726	-0.047	-0.98%	0.31%
0	11	5.015	4.982	-0.033	-0.66%	0.22%
Max		5.271	5.414	0.209	4.43%	1.39%
Average		4.866	4.930	0.063	1.26%	0.58%
Min		4.087	4.069	-0.047	-0.98%	0.09%
Std Dev		0.319	0.366	0.093	1.89%	0.46%



100.0_Swing_Rest_5V_48V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	15 mV
Min Limit	0 mV
krad	0 30
LL	0.000 0.000
Min	4.982 4.069
Average	4.982 4.924
Max	4.982 5.414
UL	15.000 15.000

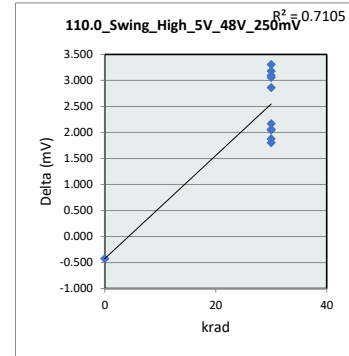


LDR TID Report
INA950A1MPWTSEP

110.0_Swing_High_5V_48V_250

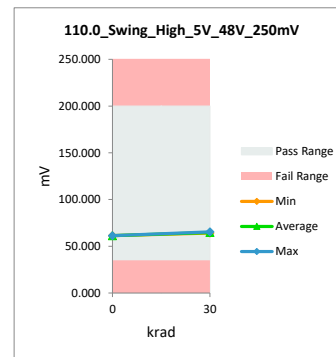
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	200	200
Min Limit	35	35

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	62.035	65.096	3.061	4.93%	1.86%
30	2	62.150	65.246	3.096	4.98%	1.88%
30	3	61.802	64.667	2.865	4.64%	1.74%
30	4	61.832	65.141	3.309	5.35%	2.01%
30	5	62.203	65.385	3.182	5.12%	1.93%
30	6	62.542	64.602	2.060	3.29%	1.25%
30	7	62.256	64.134	1.878	3.02%	1.14%
30	8	62.435	64.240	1.805	2.89%	1.09%
30	9	61.966	64.137	2.171	3.50%	1.32%
30	10	62.202	64.251	2.049	3.29%	1.24%
0	11	61.798	61.372	-0.426	-0.69%	0.26%
Max		62.542	65.385	3.309	5.35%	2.01%
Average		62.111	64.388	2.277	3.67%	1.43%
Min		61.798	61.372	-0.426	-0.69%	0.26%
Std Dev		0.251	1.104	1.064	1.72%	0.52%



110.0_Swing_High_5V_48V_2

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	200 mV
Min Limit	35 mV
krad	0 30
LL	35.000 35.000
Min	61.372 64.134
Average	61.372 64.690
Max	61.372 65.385
UL	200.000 200.000

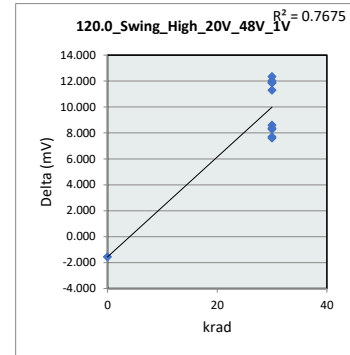


LDR TID Report INA950A1MPWTSEP

120.0_Swing_High_20V_48V_1V

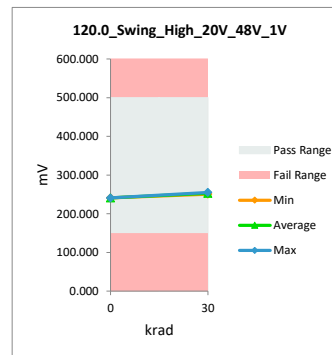
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	500	500
Min Limit	150	150

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	242.146	254.002	11.856	4.90%	3.39%
30	2	242.537	254.408	11.871	4.89%	3.39%
30	3	242.064	253.362	11.298	4.67%	3.23%
30	4	242.016	254.357	12.341	5.10%	3.53%
30	5	242.958	254.970	12.012	4.94%	3.43%
30	6	243.685	252.278	8.593	3.53%	2.46%
30	7	242.765	250.464	7.699	3.17%	2.20%
30	8	243.788	251.392	7.604	3.12%	2.17%
30	9	242.794	251.086	8.292	3.42%	2.37%
30	10	243.596	251.965	8.369	3.44%	2.39%
0	11	242.479	240.919	-1.560	-0.64%	0.45%
Max		243.788	254.970	12.341	5.10%	3.53%
Average		242.803	251.746	8.943	3.68%	2.64%
Min		242.016	240.919	-1.560	-0.64%	0.45%
Std Dev		0.646	3.896	3.976	1.64%	0.91%



120.0_Swing_High_20V_48V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	500 mV
Min Limit	150 mV
krad	0 30
LL	150.000 150.000
Min	240.919 250.464
Average	240.919 252.828
Max	240.919 254.970
UL	500.000 500.000

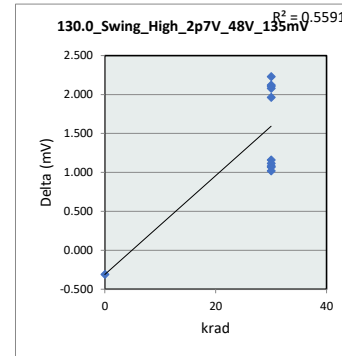


LDR TID Report INA950A1MPWTSEP

130.0_Swing_High_2p7V_48V_1

Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	mV	mV
Max Limit	100	100
Min Limit	15	15

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	35.129	37.233	2.104	5.99%	2.48%
30	2	35.116	37.193	2.077	5.91%	2.44%
30	3	35.110	37.071	1.961	5.59%	2.31%
30	4	35.400	37.628	2.228	6.29%	2.62%
30	5	35.548	37.668	2.120	5.96%	2.49%
30	6	36.225	37.383	1.158	3.20%	1.36%
30	7	35.241	36.321	1.080	3.06%	1.27%
30	8	35.700	36.719	1.019	2.85%	1.20%
30	9	35.541	36.608	1.067	3.00%	1.26%
30	10	35.601	36.716	1.115	3.13%	1.31%
0	11	35.248	34.937	-0.311	-0.88%	0.37%
Max		36.225	37.668	2.228	6.29%	2.62%
Average		35.442	36.862	1.420	4.01%	1.74%
Min		35.110	34.937	-0.311	-0.88%	0.37%
Std Dev		0.335	0.768	0.768	2.18%	0.75%



130.0_Swing_High_2p7V_48V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	100 mV
Min Limit	15 mV
krad	0 30
LL	15.000 15.000
Min	34.937 36.321
Average	34.937 37.054
Max	34.937 37.668
UL	100.000 100.000

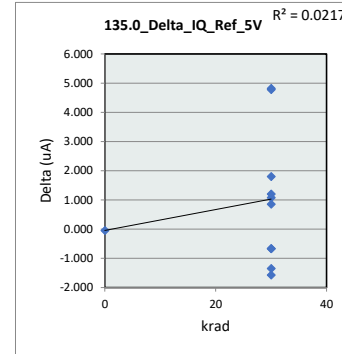


LDR TID Report INA950A1MPWTSEP

135.0_Delta_IQ_Ref_5V

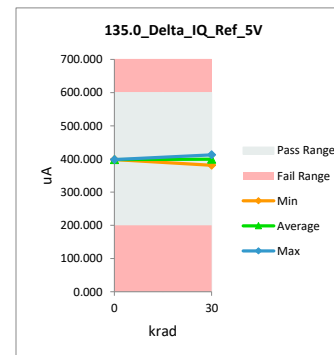
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	600	600
Min Limit	200	200

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	411.166	412.368	1.202	0.29%	0.30%
30	2	409.344	410.199	0.855	0.21%	0.21%
30	3	402.896	401.328	-1.568	-0.39%	0.39%
30	4	401.367	406.149	4.782	1.19%	1.20%
30	5	393.976	395.779	1.803	0.46%	0.45%
30	6	381.667	381.007	-0.660	-0.17%	0.17%
30	7	407.175	405.827	-1.348	-0.33%	0.34%
30	8	397.904	397.235	-0.669	-0.17%	0.17%
30	9	388.535	393.356	4.821	1.24%	1.21%
30	10	388.032	389.111	1.079	0.28%	0.27%
0	11	398.256	398.212	-0.044	-0.01%	0.01%
Max		411.166	412.368	4.821	1.24%	1.21%
Average		398.211	399.143	0.932	0.24%	0.43%
Min		381.667	381.007	-1.568	-0.39%	0.01%
Std Dev		9.450	9.352	2.198	0.56%	0.40%



135.0_Delta_IQ_Ref_5V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	600 uA
Min Limit	200 uA
krad	0 30
LL	200.000 200.000
Min	398.212 381.007
Average	398.212 399.236
Max	398.212 412.368
UL	600.000 600.000

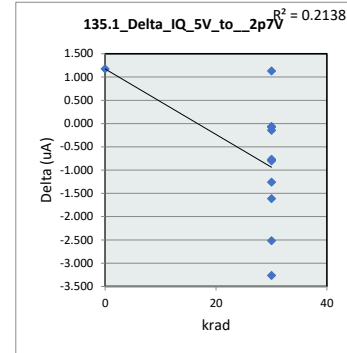


LDR TID Report INA950A1MPWTSEP

135.1_Delta_IQ_5V_to_2p7V

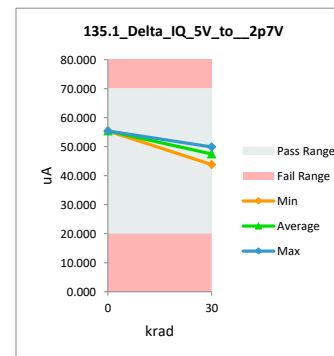
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	70	70
Min Limit	20	20

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	49.991	49.926	-0.065	-0.13%	0.13%
30	2	47.730	46.929	-0.801	-1.68%	1.60%
30	3	50.634	49.018	-1.616	-3.19%	3.23%
30	4	48.911	47.653	-1.258	-2.57%	2.52%
30	5	44.637	44.491	-0.146	-0.33%	0.29%
30	6	43.920	43.845	-0.075	-0.17%	0.15%
30	7	51.552	49.035	-2.517	-4.88%	5.03%
30	8	50.026	49.259	-0.767	-1.53%	1.53%
30	9	51.080	47.816	-3.264	-6.39%	6.53%
30	10	45.999	47.127	1.128	2.45%	2.26%
0	11	54.274	55.448	1.174	2.16%	2.35%
Max		54.274	55.448	1.174	2.45%	6.53%
Average		48.978	48.232	-0.746	-1.48%	2.33%
Min		43.920	43.845	-3.264	-6.39%	0.13%
Std Dev		3.144	3.065	1.377	2.71%	2.02%



135.1_Delta_IQ_5V_to_2p7V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	70 uA
Min Limit	20 uA
krad	0 30
LL	20.000 20.000
Min	55.448 43.845
Average	55.448 47.510
Max	55.448 49.926
UL	70.000 70.000

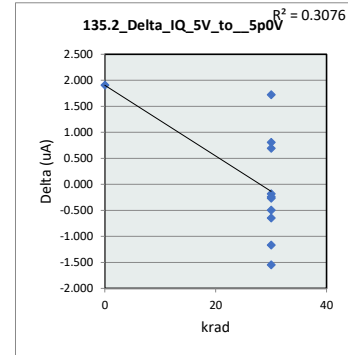


LDR TID Report INA950A1MPWTSEP

135.2_Delta_IQ_5V_to_5p0V

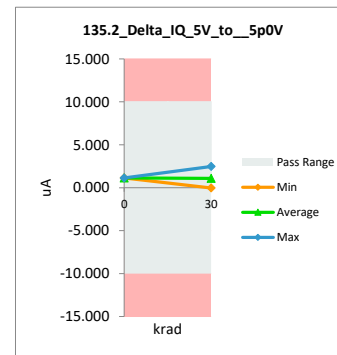
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	10	10
Min Limit	-10	-10

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	1.185	0.535	-0.650	-54.85%	3.25%
30	2	-0.832	-0.026	0.806	-96.88%	4.03%
30	3	0.464	-0.032	-0.496	-106.90%	2.48%
30	4	0.933	1.623	0.690	73.95%	3.45%
30	5	1.238	0.994	-0.244	-19.71%	1.22%
30	6	2.128	1.858	-0.270	-12.69%	1.35%
30	7	0.749	2.470	1.721	229.77%	8.61%
30	8	2.243	2.060	-0.183	-8.16%	0.92%
30	9	1.495	0.325	-1.170	-78.26%	5.85%
30	10	2.599	1.049	-1.550	-59.64%	7.75%
0	11	-0.767	1.138	1.905	-248.37%	9.53%
Max		2.599	2.470	1.905	229.77%	9.53%
Average		1.040	1.090	0.051	-34.70%	4.40%
Min		-0.832	-0.032	-1.550	-248.37%	0.92%
Std Dev		1.119	0.844	1.109	118.67%	3.08%



135.2_Delta_IQ_5V_to_5p0V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	10 uA
Min Limit	-10 uA
krad	0 30
LL	-10.000 -10.000
Min	1.138 -0.032
Average	1.138 1.086
Max	1.138 2.470
UL	10.000 10.000

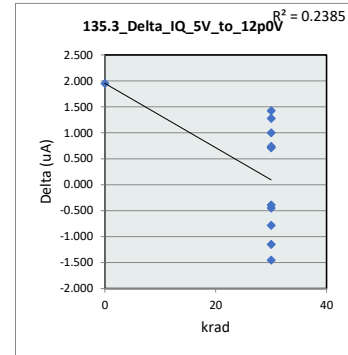


LDR TID Report INA950A1MPWTSEP

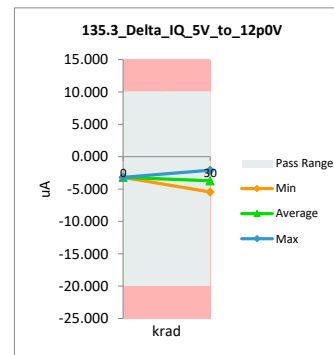
135.3_Delta_IQ_5V_to_12p0V

Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	10	10
Min Limit	-20	-20

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	-6.170	-5.456	0.714	-11.57%	2.38%
30	2	-4.875	-3.874	1.001	-20.53%	3.34%
30	3	-3.676	-4.124	-0.448	12.19%	1.49%
30	4	-2.185	-3.637	-1.452	66.45%	4.84%
30	5	-2.756	-3.146	-0.390	14.15%	1.30%
30	6	-0.941	-2.087	-1.146	121.79%	3.82%
30	7	-4.901	-3.473	1.428	-29.14%	4.76%
30	8	-4.479	-3.200	1.279	-28.56%	4.26%
30	9	-3.912	-4.692	-0.780	19.94%	2.60%
30	10	-4.317	-3.579	0.738	-17.10%	2.46%
0	11	-5.150	-3.197	1.953	-37.92%	6.51%
Max		-0.941	-2.087	1.953	121.79%	6.51%
Average		-3.942	-3.679	0.263	8.15%	3.43%
Min		-6.170	-5.456	-1.452	-37.92%	1.30%
Std Dev		1.490	0.881	1.147	48.18%	1.58%



135.3_Delta_IQ_5V_to_12p0V		
Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	10	uA
Min Limit	-20	uA
krad	0	30
LL	-20.000	-20.000
Min	-3.197	-5.456
Average	-3.197	-3.727
Max	-3.197	-2.087
UL	10.000	10.000

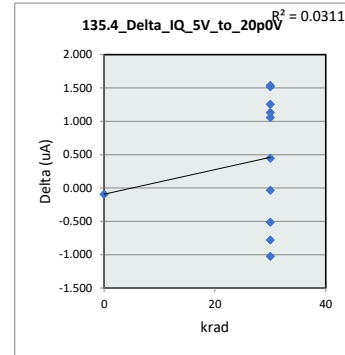


LDR TID Report INA950A1MPWTSEP

135.4_Delta_IQ_5V_to_20p0V

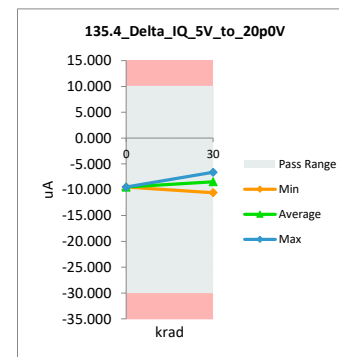
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	10	10
Min Limit	-30	-30

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	-9.970	-8.914	1.056	-10.59%	2.64%
30	2	-10.623	-9.086	1.537	-14.47%	3.84%
30	3	-10.057	-8.800	1.257	-12.50%	3.14%
30	4	-8.712	-8.265	0.447	-5.13%	1.12%
30	5	-6.166	-6.945	-0.779	12.63%	1.95%
30	6	-6.104	-6.617	-0.513	8.40%	1.28%
30	7	-10.551	-10.584	-0.033	0.31%	0.08%
30	8	-9.106	-7.973	1.133	-12.44%	2.83%
30	9	-9.075	-10.099	-1.024	11.28%	2.56%
30	10	-8.896	-7.378	1.518	-17.06%	3.80%
0	11	-9.388	-9.481	-0.093	0.99%	0.23%
Max		-6.104	-6.617	1.537	12.63%	3.84%
Average		-8.968	-8.558	0.410	-3.51%	2.13%
Min		-10.623	-10.584	-1.024	-17.06%	0.08%
Std Dev		1.542	1.264	0.945	10.83%	1.31%



135.4_Delta_IQ_5V_to_20p0V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	10 uA
Min Limit	-30 uA
krad	0 30
LL	-30.000 -30.000
Min	-9.481 -10.584
Average	-9.481 -8.466
Max	-9.481 -6.617
UL	10.000 10.000

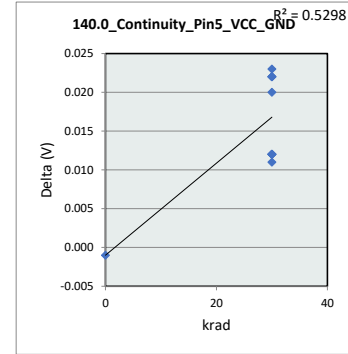


LDR TID Report
INA950A1MPWTSEP

140.0 Continuity_Pin5_VCC_GND

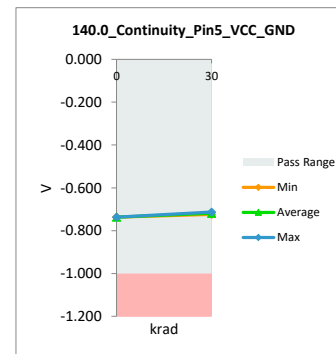
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	V	V
Max Limit	0	0
Min Limit	-1	-1

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	-0.736	-0.714	0.022	-2.99%	2.20%
30	2	-0.736	-0.714	0.022	-2.99%	2.20%
30	3	-0.735	-0.715	0.020	-2.72%	2.00%
30	4	-0.736	-0.714	0.022	-2.99%	2.20%
30	5	-0.736	-0.713	0.023	-3.13%	2.30%
30	6	-0.736	-0.724	0.012	-1.63%	1.20%
30	7	-0.735	-0.724	0.011	-1.50%	1.10%
30	8	-0.735	-0.723	0.012	-1.63%	1.20%
30	9	-0.735	-0.723	0.012	-1.63%	1.20%
30	10	-0.735	-0.723	0.012	-1.63%	1.20%
0	11	-0.736	-0.737	-0.001	0.14%	0.10%
	Max	-0.735	-0.713	0.023	0.14%	2.30%
	Average	-0.736	-0.720	0.015	-2.06%	1.54%
	Min	-0.736	-0.737	-0.001	-3.13%	0.10%
	Std Dev	0.001	0.007	0.007	1.00%	0.69%



140.0 Continuity_Pin5_VCC_G

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	0 V
Min Limit	-1 V
krad	0 30
LL	-1.000 -1.000
Min	-0.737 -0.724
Average	-0.737 -0.719
Max	-0.737 -0.713
UL	0.000 0.000

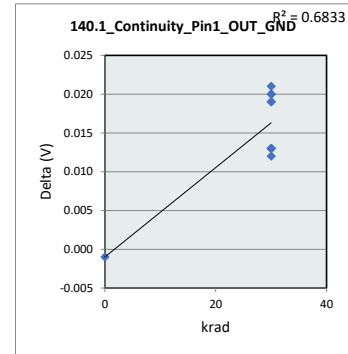


LDR TID Report
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140.1 Continuity_Pin1_OUT_GN

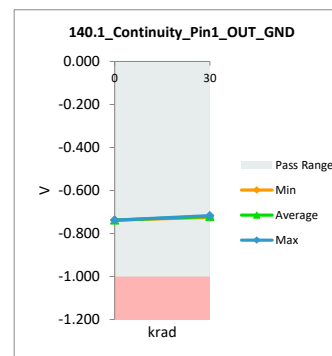
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	V	V
Max Limit	0	0
Min Limit	-1	-1

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	-0.737	-0.718	0.019	-2.58%	1.90%
30	2	-0.737	-0.717	0.020	-2.71%	2.00%
30	3	-0.737	-0.718	0.019	-2.58%	1.90%
30	4	-0.738	-0.717	0.021	-2.85%	2.10%
30	5	-0.737	-0.717	0.020	-2.71%	2.00%
30	6	-0.737	-0.724	0.013	-1.76%	1.30%
30	7	-0.737	-0.725	0.012	-1.63%	1.20%
30	8	-0.737	-0.724	0.013	-1.76%	1.30%
30	9	-0.737	-0.724	0.013	-1.76%	1.30%
30	10	-0.736	-0.723	0.013	-1.77%	1.30%
0	11	-0.737	-0.738	-0.001	0.14%	0.10%
	Max	-0.736	-0.717	0.021	0.14%	2.10%
	Average	-0.737	-0.722	0.015	-2.00%	1.49%
	Min	-0.738	-0.738	-0.001	-2.85%	0.10%
	Std Dev	0.000	0.006	0.006	0.86%	0.58%



140.1 Continuity_Pin1_OUT_GN

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	0 V
Min Limit	-1 V
krad	0 30
LL	-1.000 -1.000
Min	-0.738 -0.725
Average	-0.738 -0.721
Max	-0.738 -0.717
UL	0.000 0.000

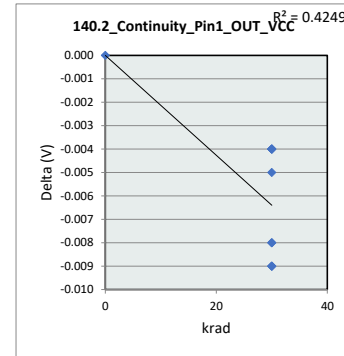


LDR TID Report
INA950A1MPWTSEP

140.2 Continuity_Pin1_OUT_VCC

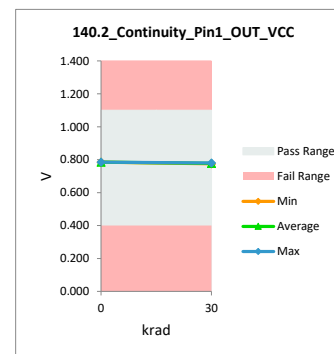
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	V	V
Max Limit	1.1	1.1
Min Limit	0.4	0.4

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	0.785	0.776	-0.009	-1.15%	1.29%
30	2	0.784	0.776	-0.008	-1.02%	1.14%
30	3	0.784	0.776	-0.008	-1.02%	1.14%
30	4	0.785	0.776	-0.009	-1.15%	1.29%
30	5	0.784	0.775	-0.009	-1.15%	1.29%
30	6	0.785	0.780	-0.005	-0.64%	0.71%
30	7	0.784	0.780	-0.004	-0.51%	0.57%
30	8	0.784	0.780	-0.004	-0.51%	0.57%
30	9	0.784	0.780	-0.004	-0.51%	0.57%
30	10	0.784	0.780	-0.004	-0.51%	0.57%
0	11	0.785	0.785	0.000	0.00%	0.00%
Max		0.785	0.785	0.000	0.00%	1.29%
Average		0.784	0.779	-0.006	-0.74%	0.83%
Min		0.784	0.775	-0.009	-1.15%	0.00%
Std Dev		0.001	0.003	0.003	0.38%	0.42%



140.2 Continuity_Pin1_OUT_V

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	1.1 V
Min Limit	0.4 V
krad	0 30
LL	0.400 0.400
Min	0.785 0.775
Average	0.785 0.778
Max	0.785 0.780
UL	1.100 1.100

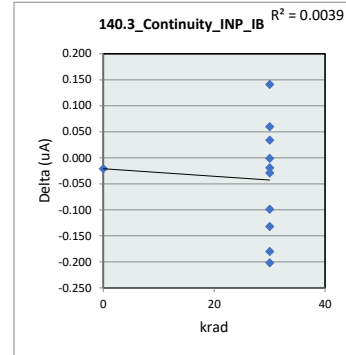


LDR TID Report
INA950A1MPWTSEP

140.3 Continuity_INP_IB

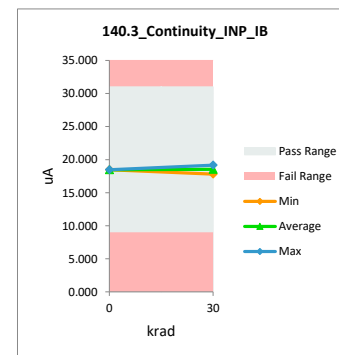
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	31	31
Min Limit	9	9

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	18.836	18.977	0.141	0.75%	0.64%
30	2	18.922	18.982	0.060	0.32%	0.27%
30	3	19.292	19.160	-0.132	-0.68%	0.60%
30	4	18.270	18.269	-0.001	-0.01%	0.00%
30	5	18.006	17.804	-0.202	-1.12%	0.92%
30	6	18.163	17.983	-0.180	-0.99%	0.82%
30	7	18.676	18.577	-0.099	-0.53%	0.45%
30	8	18.652	18.686	0.034	0.18%	0.15%
30	9	18.513	18.484	-0.029	-0.16%	0.13%
30	10	18.462	18.443	-0.019	-0.10%	0.09%
0	11	18.489	18.468	-0.021	-0.11%	0.10%
Max		19.292	19.160	0.141	0.75%	0.92%
Average		18.571	18.530	-0.041	-0.22%	0.38%
Min		18.006	17.804	-0.202	-1.12%	0.00%
Std Dev		0.365	0.417	0.104	0.56%	0.32%



140.3 Continuity_INP_IB

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	31 uA
Min Limit	9 uA
krad	0 30
LL	9.000 9.000
Min	18.468 17.804
Average	18.468 18.537
Max	18.468 19.160
UL	31.000 31.000

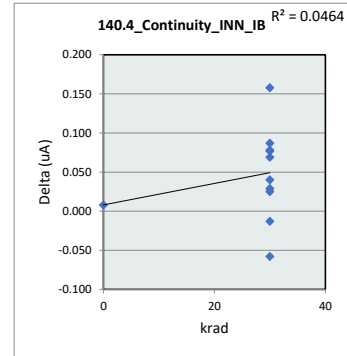


LDR TID Report
INA950A1MPWTSEP

140.4_Continuity_INN_IB

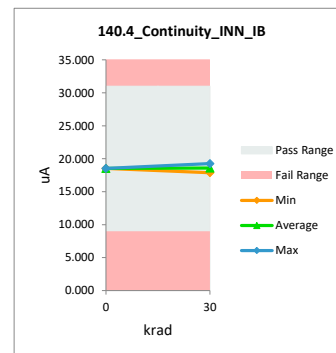
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	uA	uA
Max Limit	31	31
Min Limit	9	9

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	18.768	18.845	0.077	0.41%	0.35%
30	2	18.906	19.064	0.158	0.84%	0.72%
30	3	19.174	19.261	0.087	0.45%	0.40%
30	4	18.330	18.359	0.029	0.16%	0.13%
30	5	17.887	17.874	-0.013	-0.07%	0.06%
30	6	18.033	18.102	0.069	0.38%	0.31%
30	7	18.719	18.661	-0.058	-0.31%	0.26%
30	8	18.636	18.661	0.025	0.13%	0.11%
30	9	18.549	18.589	0.040	0.22%	0.18%
30	10	18.370	18.448	0.078	0.42%	0.35%
0	11	18.523	18.531	0.008	0.04%	0.04%
Max		19.174	19.261	0.158	0.84%	0.72%
Average		18.536	18.581	0.045	0.24%	0.27%
Min		17.887	17.874	-0.058	-0.31%	0.04%
Std Dev		0.372	0.397	0.058	0.31%	0.20%



140.4_Continuity_INN_IB

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	31 uA
Min Limit	9 uA
krad	0 30
LL	9.000 9.000
Min	18.531 17.874
Average	18.531 18.586
Max	18.531 19.261
UL	31.000 31.000

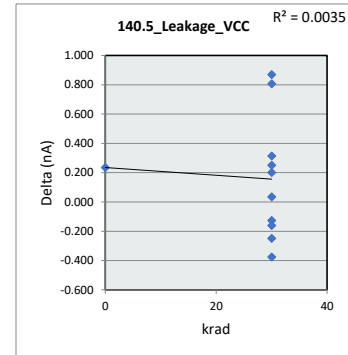


LDR TID Report
INA950A1MPWTSEP

140.5_Leakage_VCC

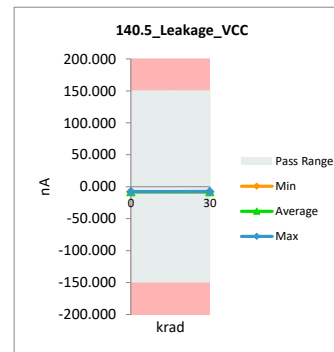
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nA	nA
Max Limit	150	150
Min Limit	-150	-150

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	-7.935	-7.622	0.313	-3.94%	0.10%
30	2	-8.101	-8.228	-0.127	1.57%	0.04%
30	3	-7.886	-8.135	-0.249	3.16%	0.08%
30	4	-7.588	-7.554	0.034	-0.45%	0.01%
30	5	-8.252	-7.446	0.806	-9.77%	0.27%
30	6	-8.828	-7.959	0.869	-9.84%	0.29%
30	7	-7.857	-8.018	-0.161	2.05%	0.05%
30	8	-8.282	-8.032	0.250	-3.02%	0.08%
30	9	-8.228	-8.028	0.200	-2.43%	0.07%
30	10	-7.832	-8.208	-0.376	4.80%	0.13%
0	11	-8.018	-7.783	0.235	-2.93%	0.08%
Max		-7.588	-7.446	0.869	4.80%	0.29%
Average		-8.073	-7.910	0.163	-1.89%	0.11%
Min		-8.828	-8.228	-0.376	-9.84%	0.01%
Std Dev		0.327	0.269	0.402	4.82%	0.09%



140.5_Leakage_VCC

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	150 nA
Min Limit	-150 nA
krad	0 30
LL	-150.000 -150.000
Min	-7.783 -8.228
Average	-7.783 -7.923
Max	-7.783 -7.446
UL	150.000 150.000

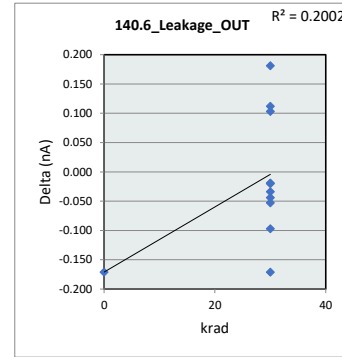


LDR TID Report
INA950A1MPWTSEP

140.6_Leakage_OUT

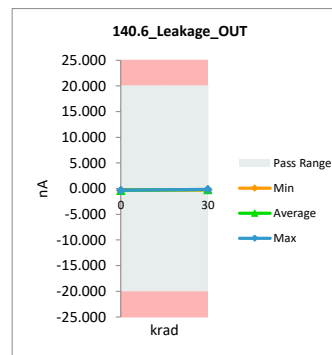
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nA	nA
Max Limit	20	20
Min Limit	-20	-20

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	-0.084	-0.181	-0.097	115.48%	0.24%
30	2	-0.216	-0.269	-0.053	24.54%	0.13%
30	3	-0.264	-0.152	0.112	-42.42%	0.28%
30	4	-0.333	-0.152	0.181	-54.35%	0.45%
30	5	-0.137	-0.181	-0.044	32.12%	0.11%
30	6	-0.123	-0.142	-0.019	15.45%	0.05%
30	7	-0.235	-0.255	-0.020	8.51%	0.05%
30	8	-0.245	-0.142	0.103	-42.04%	0.26%
30	9	-0.040	-0.211	-0.171	427.50%	0.43%
30	10	-0.108	-0.142	-0.034	31.48%	0.09%
0	11	-0.147	-0.318	-0.171	116.33%	0.43%
Max		-0.040	-0.142	0.181	427.50%	0.45%
Average		-0.176	-0.195	-0.019	57.51%	0.23%
Min		-0.333	-0.318	-0.171	-54.35%	0.05%
Std Dev		0.089	0.061	0.112	135.17%	0.16%



140.6_Leakage_OUT

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	20 nA
Min Limit	-20 nA
krad	0 30
LL	-20.000 -20.000
Min	-0.318 -0.269
Average	-0.318 -0.183
Max	-0.318 -0.142
UL	20.000 20.000

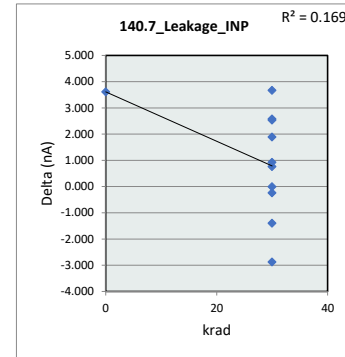


LDR TID Report
INA950A1MPWTSEP

140.7_Leakage_INP

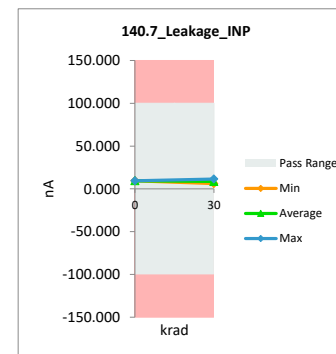
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nA	nA
Max Limit	100	100
Min Limit	-100	-100

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	9.047	6.174	-2.873	-31.76%	1.44%
30	2	6.638	8.529	1.891	28.49%	0.95%
30	3	7.542	6.150	-1.392	-18.46%	0.70%
30	4	7.454	7.215	-0.239	-3.21%	0.12%
30	5	7.733	8.500	0.767	9.92%	0.38%
30	6	7.161	10.835	3.674	51.31%	1.84%
30	7	7.000	7.928	0.928	13.26%	0.46%
30	8	6.907	9.442	2.535	36.70%	1.27%
30	9	7.889	10.468	2.579	32.69%	1.29%
30	10	11.480	11.475	-0.005	-0.04%	0.00%
0	11	5.783	9.394	3.611	62.44%	1.81%
	Max	11.480	11.475	3.674	62.44%	1.84%
	Average	7.694	8.737	1.043	16.49%	0.93%
	Min	5.783	6.150	-2.873	-31.76%	0.00%
	Std Dev	1.498	1.793	2.072	28.99%	0.65%



140.7_Leakage_INP

Test Site	Junkins	
Tester	FETS3401	
Test Number	EQ0581	
Max Limit	100	nA
Min Limit	-100	nA
	krad	
	0	30
LL	-100.000	-100.000
Min	9.394	6.150
Average	9.394	8.672
Max	9.394	11.475
UL	100.000	100.000

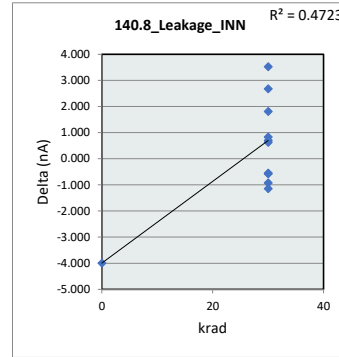


LDR TID Report
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140.8_Leakage_INN

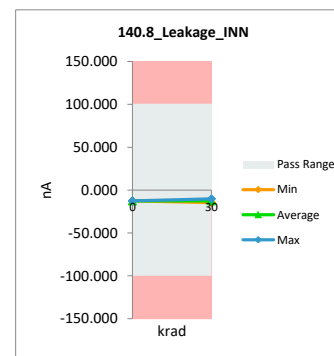
Test Site	Junkins	Junkins
Tester	FETS3401	FETS36401
Test Number	EQ0581	EQ0581
Unit	nA	nA
Max Limit	100	100
Min Limit	-100	-100

krad	Serial #	NA950 LDR Pre-Te	IA950 LDR Post-Te	Delta	Delta %	% of Limit Range
30	1	-12.888	-10.211	2.677	-20.77%	1.34%
30	2	-12.517	-11.818	0.699	-5.58%	0.35%
30	3	-12.981	-13.557	-0.576	4.44%	0.29%
30	4	-11.350	-12.273	-0.923	8.13%	0.46%
30	5	-14.925	-11.398	3.527	-23.63%	1.76%
30	6	-13.787	-13.162	0.625	-4.53%	0.31%
30	7	-13.645	-11.833	1.812	-13.28%	0.91%
30	8	-12.439	-12.986	-0.547	4.40%	0.27%
30	9	-12.986	-14.129	-1.143	8.80%	0.57%
30	10	-15.418	-14.583	0.835	-5.42%	0.42%
0	11	-8.595	-12.590	-3.995	46.48%	2.00%
	Max	-8.595	-10.211	3.527	46.48%	2.00%
	Average	-12.866	-12.595	0.272	-0.09%	0.79%
	Min	-15.418	-14.583	-3.995	-23.63%	0.27%
	Std Dev	1.819	1.269	2.059	18.95%	0.63%



140.8_Leakage_INN

Test Site	Junkins
Tester	FETS3401
Test Number	EQ0581
Max Limit	100 nA
Min Limit	-100 nA
krad	0 30
LL	-100.000 -100.000
Min	-12.590 -14.583
Average	-12.590 -12.595
Max	-12.590 -10.211
UL	100.000 100.000



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