HIGH DOSE RADIATION TEST REPORT RH1959

April 2025

Generic

Radiation Test Report	
Product:	RH1959
Gamma:	0,30k, 50k, 100k, 150k
Gamma Source:	Co60/TM1019 Condition A
Dose Rate:	169 Rad/s
Facilities:	VPT RAD
Tested:	September 4th-12th, 2025

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Customer:	ANALOG DEVICES INC
Purchase Order Number:	NA
VPT Rad Job Number:	NA
Test Date:	09/04/2024 – 09/12/2024

Manufacturer Part #:	ANALOG DEVICES INC – RH1959MW
Manufacturer Lot #:	NA
Manufacturer Wafer #:	15
Serial Numbers (Tested / Control):	DEVICES: SN# 33, 35, 37-44 BIASED / 45-48, 50 UNBIASED CONTROLS: SN# 60, 70
Manufacturer Date Code:	NA
Trace Code:	NA
Tested Quantity:	15 DUTS - 2 CONTROL
Set-Up/Spare Quantity:	0
Package Type:	CDFP3-F16 LEAD

Test Standard(s) and/or Test Documents:	TESTING WAS PERFORMED USING THE PROCEDURES APPROVED BY DLA FOR OUR DLA LAND AND MARITIME-VQ COMMERCIAL LABORATORY SUITABILITY AND TESTING CONFORMS TO MIL-STD-750/-883 METHOD 1019, CONDITION A.
Electrical Test Conditions:	TEST LEVELS: PRE, 30K, 50K, 100K, A1, 150KRAD(SI), A2
Dose Rate:	169 rad(Si)/s (SEE APPENDIX D: EXPOSURE REPORT)
Test Software:	RH1959.PY
Applicable Documents:	AD1: ANALOG DEVICES INC STATEMENT OF WORK
Applicable Documents:	AD2: ADI-RH1959MW TEST PLAN-012
Applicable Documents:	AD3: ANALOG DEVICES INC RH1959 DATASHEET
Applicable Documents:	AD4: VPTRAD QUALITY ASSURANCE PLAN QA-1

VPTRAD
BUILDING 2 UNIT 3
101 BRICK KILN ROAD
CHELMSFORD, MA 01824

1. OVERVIEW AND BACKGROUND

The purpose of this test was to characterize performance changes in the Devices Under Test (DUT) due to the effects of High Dose Rate Irradiation Testing (HDR). The scope is to evaluate how the subjected devices perform once exposed to Cobalt-60 gamma photons at various increasing levels of exposure.

Table 1. Overview of Results

Summary of the PASS/FAIL results
Note: Orange Indicates ±3σ Specifications Failure; Red Indicates Device Specifications Failure.

Test Name	PRE	30k	50k	100k	A1	150k	A2
Feedback Voltage @ Vin = 5V, Boost = 10V (V)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Reference Voltage Line Regulation @ Vin = 4.3V to 15V (%/V)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Feedback Input Bias Current (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Error Amplifier Voltage Gain (V/V)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Error Amplifier Transconductance @ ΔI(Vc) = ± 10uA (uMho)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Error Amplifier Source Current @ Vfb = 1.05V (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Error Amplifier Sink Current @ Vfb = 1.35V (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Vc Pin Switching Threshold (V)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Maximum Switch Duty Cycle @ Vfb = 1.05V @ Vin = 5V, Boost = 8V (%)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Switch Frequency @ Vin = 5V, Boost = 8V (Hz)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Switch Frequency Line Regulation @ Vin = 4.3V to 15V (%/V)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Frequency Shifting Threshold on FB Pin @ Δf = 10kHz (V)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Minimum Input Voltage (V)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Input Supply Current (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Shutdown Supply Current @ Vshdn = 0V (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Lockout Threshold Vc = open (V)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Shutdown Threshold @ Device Shutting Down (V)	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Shutdown Threshold @ Device Starting Up (V)	PASS	PASS	PASS	PASS	PASS	PASS	PASS

2. SUMMARY/CONCLUSION

Samples were electrically characterized after exposure to customer specified levels. All tests were performed in conformance with the conditions and requirements described by MIL-STD-750/883 Test Method 1019. VPT Rad has DLA Laboratory Suitability for this test method. Samples were tracked in process using a **TRAVELER**, found in **Appendix C**.

All Devices Under Test (DUT) remained functional and passed all test specifications through all rad levels. Please see **Appendix B** for detailed data results.

3. TEST APPARATUS

- DUTs were electrically characterized and tested using the following calibrated instrument(s):

INSTRUMENT	MODEL	CAL/SERIAL #	CAL DUE
HP DATA ACQUISITION UNIT	34970A	CAL0149	04/2025
KEITHLEY SOURCE METER	2400	CAL0150	04/2025
KEITHLEY SOURCE METER	2400	CAL0152	04/2025
KEITHLEY SOURCE METER	2400	CAL0156	04/2025
KEITHLEY SOURCE METER	2400	CAL0158	04/2025
KEITHLEY SOURCE METER	2612B	CAL0191	04/2025
TEKTRONIX MIXED SIGNAL OSCILLOSCOPE	MSO3054	CAL0225	04/2025

- DUTs exposed to HDR using a Gammacell 220 Irradiator CAL0056 -Due 03/2026.
- Bias conditions were verified using a calibrated Amprobe 5XP-A Digital Multi Meter CAL0119 -Due 04/2025.
- OMEGA HH311 Temperature Humidity Meter CAL0003 -Due 04/2025.
- The test software used was RH1959.PY.
- All electrical test measurements were logged and saved with each run in a separate file.
- The Test Setup is shown in **Figure 1**.

CUSTOM RACK

GC220

Figure 1. Test Setup

4. DUT BIAS CONDITION

Biased DUTs were irradiated under a bias voltage of Vin=16V and Vbias=.6V. Unbiased DUTs were irradiated unbiased with all pins referenced to ground. See **Figure 2** for bias conditions. Aneal operations were completed under a bias voltage of Vin=16V and Vbias=.6V.

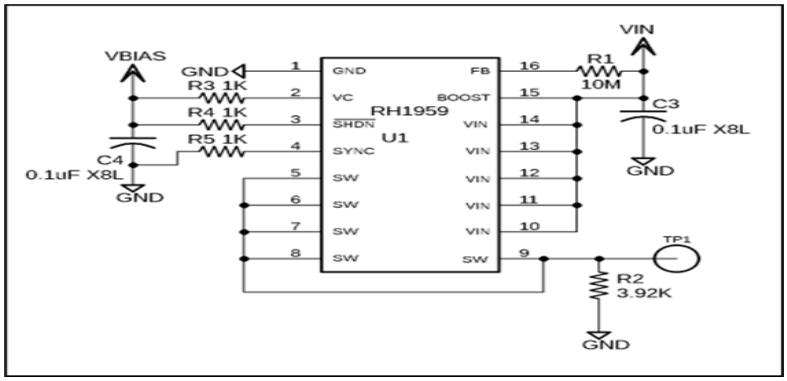


Figure 2. Bias Circuit Under TID Radiation

See **Appendix A** for an image of the DUT.

5. TEST PARAMETERS

See **Table 2** for the list of required electrical test parameters:

Test Name	LO Limit	HI Limit
Feedback Voltage @ Vin = 5V, Boost = 10V (V)	1.19	1.23
Reference Voltage Line Regulation @ Vin = 4.3V to 15V (%/V)	-0.0300	0.0300
Feedback Input Bias Current (A)	-5.00E-06	5.00E-06
Error Amplifier Voltage Gain (V/V)	200	NA
Error Amplifier Transconductance @ ΔI(Vc) = ± 10uA (uMho)	1500	2700
Error Amplifier Source Current @ Vfb = 1.05V (A)	1.40E-04	3.20E-04
Error Amplifier Sink Current @ Vfb = 1.35V (A)	1.40E-04	3.20E-04
Vc Pin Switching Threshold (V)	0.720	1.04
Maximum Switch Duty Cycle @ Vfb = 1.05V @ Vin = 5V, Boost = 8V (%)	90.0	NA
Switch Frequency @ Vin = 5V, Boost = 8V (Hz)	4.25E+05	5.40E+05
Switch Frequency Line Regulation @ Vin = 4.3V to 15V (%/V)	-0.150	0.175
Frequency Shifting Threshold on FB Pin @ Δf = 10kHz (V)	0.500	1.00
Minimum Input Voltage (V)	NA	4.30
Input Supply Current (A)	NA	5.40E-03
Shutdown Supply Current @ Vshdn = 0V (A)	NA	5.00E-05
Lockout Threshold Vc = open (V)	2.30	2.46
Shutdown Threshold @ Device Shutting Down (V)	0.130	0.600
Shutdown Threshold @ Device Starting Up (V)	0.250	0.700

Table 2. Test Parameters

See **APPENDIX B:** MEASURED TEST PARAMETERS for the table of parametric test results.

6. DOSIMETRY

Refer to **APPENDIX D**, Exposure Report, for actual exposure levels.

7. LIST OF APPENDICES

APPENDIX A: IMAGE OF DUT

APPENDIX B: MEASURED TEST PARAMETERS

APPENDIX C: TRAVELER

APPENDIX D: EXPOSURE REPORT

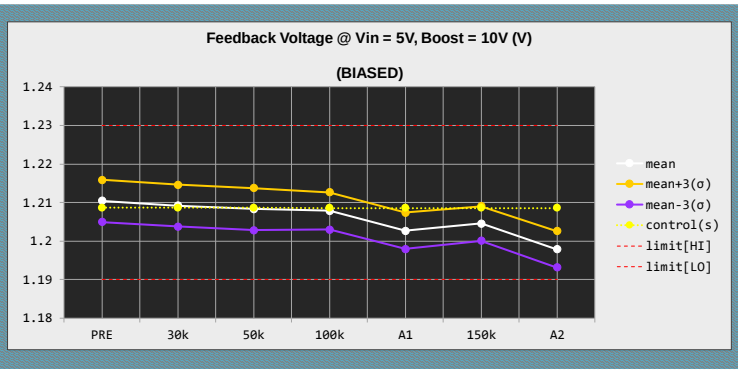
APPENDIX E: CERTIFICATE OF CONFORMANCE

APPENDIX A: IMAGE OF DUT

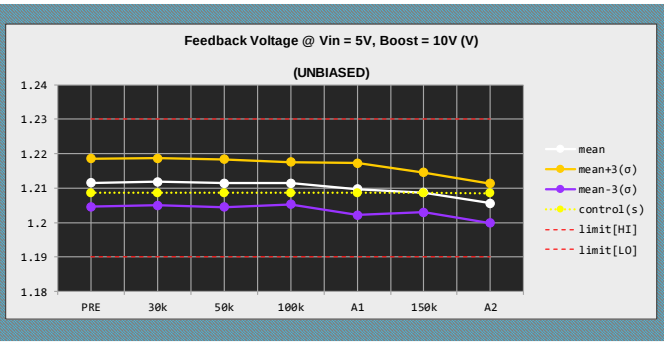
MANUFACTURER:	ANALOG DEVICES INC
MFR PART #	RH1959MW
TYPE	STEP DOWN SWITCHING REGULATOR
MFR LOT #	NA
MFR DATE CODE	NA
MFR WAFER #	15
HDR BIAS	10-DUTS: VIN = 16V AND VBIAS = .6V 5-DUTS: UNBIASED
# DUTS	15 DEVICES + 2 CONTROL

APPENDIX B: MEASURED TEST PARAMETER

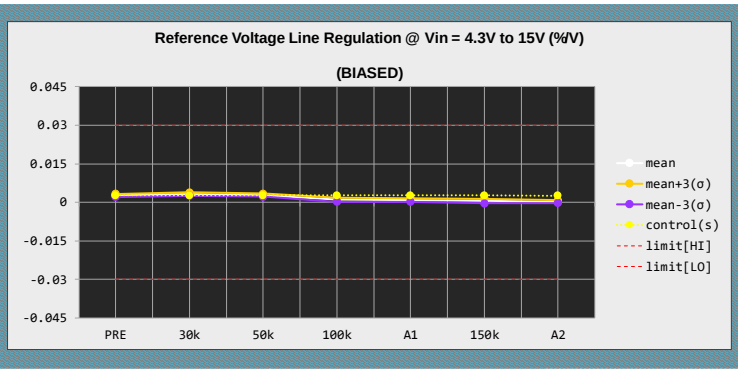
Feedback Voltage @ Vin = 5V, Boost = 10V (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN70	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN33	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN35	1.21	1.21	1.21	1.21	1.20	1.21	1.20
SN37	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN38	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN39	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN40	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN41	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN42	1.21	1.21	1.21	1.21	1.21	1.21	1.20
SN43	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN44	1.21	1.21	1.21	1.21	1.20	1.20	1.20
MIN	1.21	1.21	1.21	1.21	1.20	1.20	1.20
MAX	1.21	1.21	1.21	1.21	1.21	1.21	1.20
MEAN	1.21	1.21	1.21	1.21	1.20	1.20	1.20
STD DEV. (σ)	1.82E-03	1.82E-03	1.81E-03	1.62E-03	1.57E-03	1.49E-03	1.58E-03
LIM HI	1.23	1.23	1.23	1.23	1.23	1.23	1.23
LIM LO	1.19	1.19	1.19	1.19	1.19	1.19	1.19
MEAN+3(σ)	1.22	1.21	1.21	1.21	1.21	1.21	1.20
MEAN-3(σ)	1.20	1.20	1.20	1.20	1.20	1.20	1.193



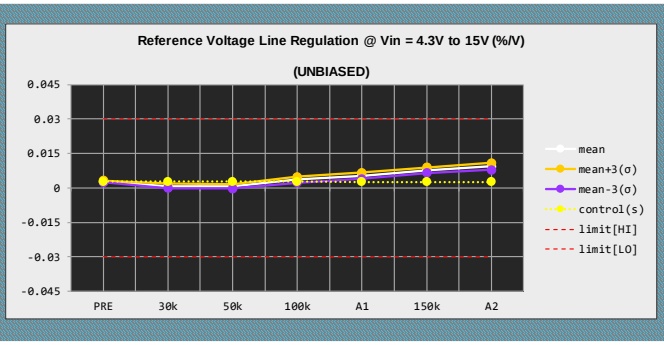
Feedback Voltage @ Vin = 5V, Boost = 10V (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN70	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN45	1.21	1.21	1.21	1.21	1.21	1.21	1.20
SN46	1.21	1.21	1.21	1.21	1.21	1.21	1.20
SN47	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN48	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN50	1.21	1.21	1.21	1.21	1.21	1.21	1.21
MIN	1.21	1.21	1.21	1.21	1.21	1.21	1.20
MAX	1.21	1.21	1.21	1.21	1.21	1.21	1.21
MEAN	1.21	1.21	1.21	1.21	1.21	1.21	1.21
STD DEV. (σ)	2.32E-03	2.29E-03	2.31E-03	2.05E-03	2.50E-03	1.92E-03	1.91E-03
LIM HI	1.23	1.23	1.23	1.23	1.23	1.23	1.23
LIM LO	1.19	1.19	1.19	1.19	1.19	1.19	1.19
MEAN+3(σ)	1.22	1.22	1.22	1.22	1.22	1.21	1.21
MEAN-3(σ)	1.20	1.21	1.20	1.21	1.20	1.20	1.20



Reference Voltage Line Regulation @ Vin = 4.3V to 15V (%/V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.76E-03	2.86E-03	2.81E-03	2.80E-03	2.73E-03	2.75E-03	2.60E-03
SN70	2.70E-03	2.66E-03	2.65E-03	2.66E-03	2.62E-03	2.63E-03	2.69E-03
SN33	2.58E-03	3.04E-03	2.79E-03	9.44E-04	9.63E-04	4.73E-04	1.17E-04
SN35	2.41E-03	2.89E-03	2.55E-03	6.87E-04	6.51E-04	8.83E-04	4.83E-04
SN37	2.55E-03	3.25E-03	2.71E-03	8.67E-04	6.29E-04	7.68E-04	1.95E-04
SN38	2.91E-03	3.50E-03	3.10E-03	1.29E-03	1.25E-03	2.64E-04	1.48E-04
SN39	2.48E-03	3.03E-03	2.95E-03	7.05E-04	6.61E-04	8.31E-04	2.89E-04
SN40	2.88E-03	3.40E-03	3.21E-03	1.50E-03	1.20E-03	1.16E-04	4.76E-04
SN41	2.62E-03	3.12E-03	2.62E-03	1.08E-03	7.54E-04	7.99E-04	4.76E-04
SN42	2.89E-03	3.45E-03	2.90E-03	1.10E-03	1.10E-03	3.72E-04	6.23E-05
SN43	2.73E-03	3.18E-03	2.77E-03	9.59E-04	8.63E-04	6.75E-04	7.80E-06
SN44	2.90E-03	3.37E-03	2.92E-03	1.14E-03	1.10E-03	1.78E-04	2.89E-04
MIN	2.41E-03	2.89E-03	2.55E-03	6.87E-04	6.29E-04	1.16E-04	7.80E-06
MAX	2.91E-03	3.50E-03	3.21E-03	1.50E-03	1.25E-03	8.83E-04	4.83E-04
MEAN	2.69E-03	3.22E-03	2.85E-03	1.03E-03	9.16E-04	5.36E-04	2.54E-04
STD DEV. (σ)	1.90E-04	2.04E-04	2.03E-04	2.53E-04	2.36E-04	2.90E-04	1.78E-04
LIM HI	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
LIM LO	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300
MEAN+3(σ)	3.26E-03	3.84E-03	3.46E-03	1.79E-03	1.62E-03	1.41E-03	7.87E-04
MEAN-3(σ)	2.12E-03	2.61E-03	2.24E-03	2.70E-04	2.08E-04	-3.35E-04	-2.79E-04

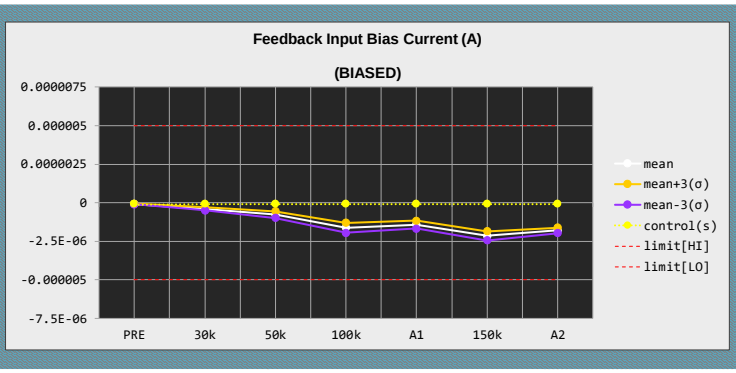


Reference Voltage Line Regulation @ Vin = 4.3V to 15V (%/V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.76E-03	2.86E-03	2.81E-03	2.80E-03	2.73E-03	2.75E-03	2.60E-03
SN70	2.70E-03	2.66E-03	2.65E-03	2.66E-03	2.62E-03	2.63E-03	2.69E-03
SN45	2.94E-03	1.28E-03	4.41E-04	2.98E-03	4.89E-03	7.28E-03	8.73E-03
SN46	2.61E-03	7.25E-04	8.80E-04	3.74E-03	5.72E-03	8.05E-03	9.71E-03
SN47	2.70E-03	3.62E-04	1.12E-03	3.92E-03	5.89E-03	8.26E-03	0.0101
SN48	2.83E-03	9.86E-04	5.55E-04	4.09E-03	5.24E-03	7.75E-03	9.44E-03
SN50	2.88E-03	1.03E-03	4.32E-04	3.38E-03	4.99E-03	7.39E-03	9.30E-03
MIN	2.61E-03	3.62E-04	4.32E-04	2.98E-03	4.89E-03	7.28E-03	8.73E-03
MAX	2.94E-03	1.28E-03	1.12E-03	4.09E-03	5.89E-03	8.26E-03	0.0101
MEAN	2.80E-03	8.75E-04	6.86E-04	3.62E-03	5.35E-03	7.75E-03	9.45E-03
STD DEV. (σ)	1.34E-04	3.47E-04	3.05E-04	4.45E-04	4.42E-04	4.19E-04	5.04E-04
LIM HI	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
LIM LO	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300
MEAN+3(σ)	3.20E-03	1.92E-03	1.60E-03	4.95E-03	6.67E-03	9.00E-03	0.0110
MEAN-3(σ)	2.39E-03	-1.66E-04	-2.28E-04	2.29E-03	4.02E-03	6.49E-03	7.94E-03



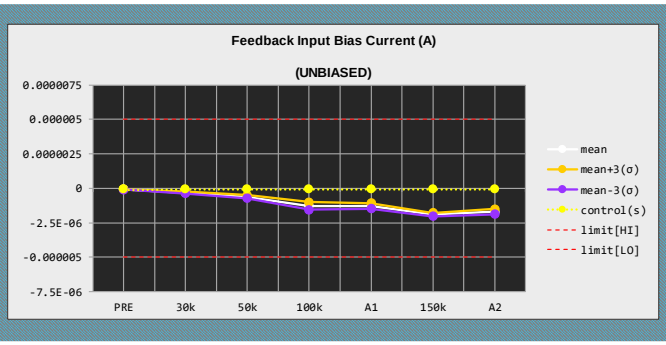
Feedback Input Bias Current (A) (BIASED)

	PRE	30k	50k	100k	A1	150k	A2
SN60	-7.65E-08	-7.33E-08	-7.33E-08	-7.36E-08	-7.77E-08	-7.31E-08	-7.50E-08
SN70	-7.11E-08	-7.00E-08	-6.99E-08	-6.99E-08	-6.96E-08	-7.03E-08	-7.01E-08
SN33	-7.63E-08	-4.13E-07	-8.14E-07	-1.64E-06	-1.48E-06	-2.16E-06	-1.72E-06
SN35	-7.31E-08	-4.22E-07	-8.26E-07	-1.67E-06	-1.42E-06	-2.16E-06	-1.78E-06
SN37	-7.67E-08	-4.00E-07	-7.89E-07	-1.62E-06	-1.45E-06	-2.14E-06	-1.70E-06
SN38	-8.21E-08	-4.26E-07	-8.42E-07	-1.72E-06	-1.45E-06	-2.24E-06	-1.87E-06
SN39	-8.32E-08	-4.07E-07	-7.00E-07	-1.66E-06	-1.46E-06	-2.21E-06	-1.86E-06
SN40	-6.98E-08	-3.03E-07	-5.88E-07	-1.33E-06	-1.21E-06	-1.91E-06	-1.79E-06
SN41	-8.00E-08	-3.92E-07	-7.87E-07	-1.64E-06	-1.40E-06	-2.10E-06	-1.76E-06
SN42	-7.23E-08	-3.87E-07	-7.68E-07	-1.60E-06	-1.36E-06	-2.14E-06	-1.79E-06
SN43	-7.99E-08	-3.97E-07	-8.09E-07	-1.69E-06	-1.51E-06	-2.27E-06	-1.88E-06
SN44	-6.97E-08	-3.83E-07	-7.70E-07	-1.60E-06	-1.43E-06	-2.15E-06	-1.78E-06
MIN	-8.32E-08	-4.26E-07	-8.42E-07	-1.72E-06	-1.51E-06	-2.27E-06	-1.88E-06
MAX	-6.97E-08	-3.03E-07	-5.88E-07	-1.33E-06	-1.21E-06	-1.91E-06	-1.70E-06
MEAN	-7.63E-08	-3.93E-07	-7.69E-07	-1.62E-06	-1.42E-06	-2.15E-06	-1.79E-06
STD DEV. (σ)	4.96E-09	3.45E-08	7.50E-08	1.07E-07	8.31E-08	9.88E-08	6.07E-08
LIM HI	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06
LIM LO	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06
MEAN+3(σ)	-6.14E-08	-2.89E-07	-5.44E-07	-1.30E-06	-1.17E-06	-1.85E-06	-1.61E-06
MEAN-3(σ)	-9.12E-08	-4.97E-07	-9.94E-07	-1.94E-06	-1.67E-06	-2.44E-06	-1.98E-06



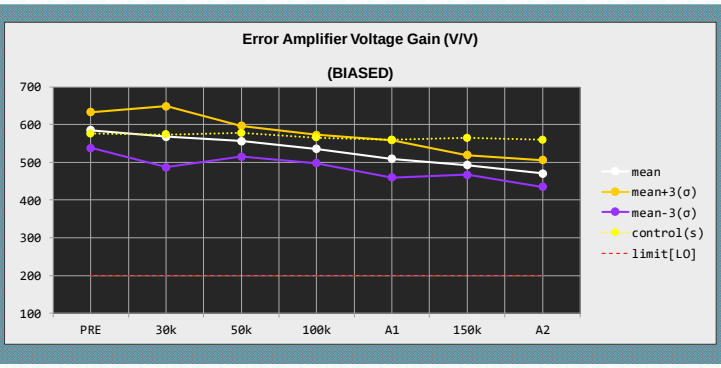
Feedback Input Bias Current (A) (UNBIASED)

	PRE	30k	50k	100k	A1	150k	A2
SN60	-7.65E-08	-7.33E-08	-7.33E-08	-7.36E-08	-7.77E-08	-7.31E-08	-7.50E-08
SN70	-7.11E-08	-7.00E-08	-6.99E-08	-6.99E-08	-6.96E-08	-7.03E-08	-7.01E-08
SN45	-6.64E-08	-2.81E-07	-5.66E-07	-1.29E-06	-1.17E-06	-1.84E-06	-1.67E-06
SN46	-7.17E-08	-2.96E-07	-5.95E-07	-1.32E-06	-1.29E-06	-1.87E-06	-1.60E-06
SN47	-7.15E-08	-3.29E-07	-6.54E-07	-1.38E-06	-1.34E-06	-1.92E-06	-1.73E-06
SN48	-7.43E-08	-3.27E-07	-6.52E-07	-1.22E-06	-1.33E-06	-1.95E-06	-1.77E-06
SN50	-7.24E-08	-2.92E-07	-5.81E-07	-1.15E-06	-1.25E-06	-1.89E-06	-1.72E-06
MIN	-7.43E-08	-3.29E-07	-6.54E-07	-1.38E-06	-1.34E-06	-1.95E-06	-1.77E-06
MAX	-6.64E-08	-2.81E-07	-5.66E-07	-1.15E-06	-1.17E-06	-1.84E-06	-1.60E-06
MEAN	-7.13E-08	-3.05E-07	-6.09E-07	-1.27E-06	-1.28E-06	-1.90E-06	-1.70E-06
STD DEV. (σ)	2.92E-09	2.18E-08	4.09E-08	8.88E-08	6.77E-08	4.42E-08	6.28E-08
LIM HI	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06
LIM LO	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06
MEAN+3(σ)	-6.25E-08	-2.40E-07	-4.86E-07	-1.01E-06	-1.07E-06	-1.76E-06	-1.51E-06
MEAN-3(σ)	-8.00E-08	-3.71E-07	-7.32E-07	-1.54E-06	-1.48E-06	-2.03E-06	-1.89E-06



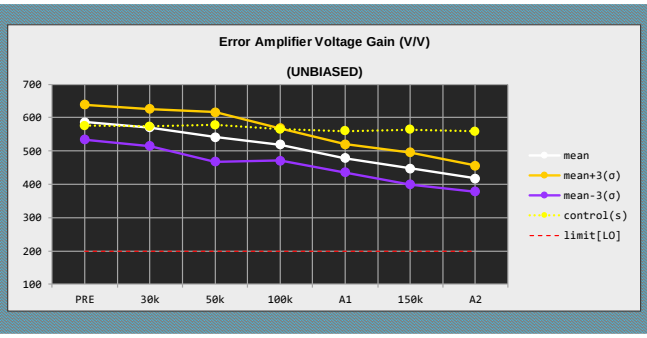
Error Amplifier Voltage Gain (V/V) (BIASED)

	PRE	30k	50k	100k	A1	150k	A2
SN60	546	538	548	536	532	532	531
SN70	606	609	608	594	587	597	588
SN33	560	552	535	513	495	479	454
SN35	562	539	532	518	490	481	451
SN37	581	569	564	548	506	494	476
SN38	602	594	567	547	526	499	477
SN39	598	517	559	544	520	495	473
SN40	606	579	553	531	479	501	485
SN41	589	585	567	543	519	496	475
SN42	573	568	550	532	521	490	462
SN43	590	609	570	547	527	506	485
SN44	589	569	562	529	508	486	466
MIN	560	517	532	513	479	479	451
MAX	606	609	570	548	527	506	485
MEAN	585	568	556	535	509	493	470
STD DEV. (σ)	15.8	27.0	13.5	12.5	16.5	8.67	11.9
LIM LO	200	200	200	200	200	200	200
MEAN+3(σ)	633	649	596	573	559	519	506
MEAN-3(σ)	538	487	515	498	459	467	435

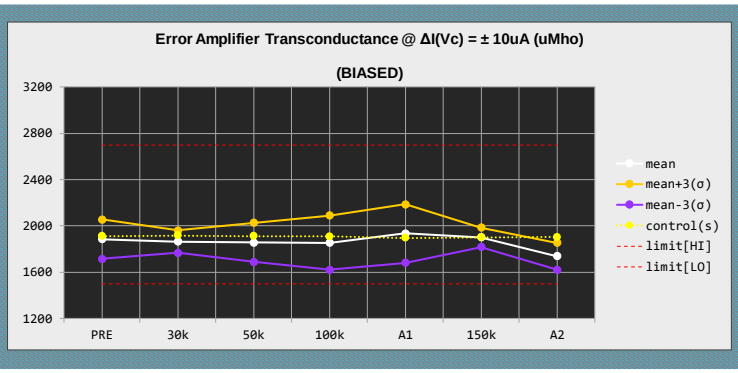


Error Amplifier Voltage Gain (V/V) (UNBIASED)

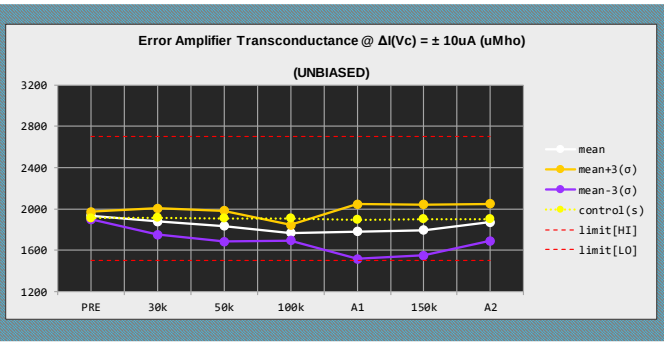
	PRE	30k	50k	100k	A1	150k	A2
SN60	546	538	548	536	532	532	531
SN70	606	609	608	594	587	597	588
SN45	591	578	557	538	481	456	419
SN46	588	566	548	519	475	437	409
SN47	558	542	500	498	462	433	408
SN48	592	574	542	511	473	442	411
SN50	605	592	563	532	500	472	439
MIN	558	542	500	498	462	433	408
MAX	605	592	563	538	500	472	439
MEAN	587	570	542	519	478	448	417
STD DEV. (σ)	17.4	18.7	24.7	16.2	14.0	16.1	13.0
LIM LO	200	200	200	200	200	200	200
MEAN+3(σ)	639	626	616	568	520	496	456
MEAN-3(σ)	534	514	468	471	436	400	378



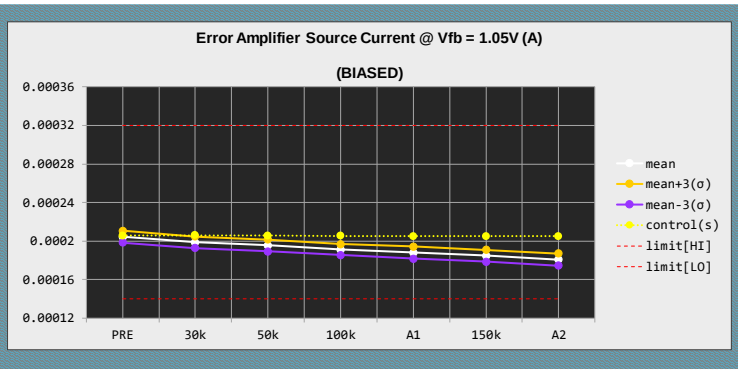
Error Amplifier Transconductance @ ΔI(Vc) = ± 10uA (uMho) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	1930	1940	1930	1930	1920	1920	1930
SN70	1890	1890	1890	1890	1870	1890	1880
SN33	1990	1830	1870	1860	2030	1960	1800
SN35	1940	1900	1810	1780	1980	1920	1790
SN37	1830	1840	1830	1770	1950	1880	1710
SN38	1870	1890	1900	1950	1820	1890	1710
SN39	1870	1810	1990	1940	1750	1870	1680
SN40	1880	1890	1880	1890	1960	1890	1720
SN41	1880	1860	1820	1960	1960	1900	1730
SN42	1940	1900	1780	1760	1960	1920	1770
SN43	1820	1850	1850	1800	1970	1890	1730
SN44	1820	1860	1850	1820	1970	1890	1730
MIN	1820	1810	1780	1760	1750	1870	1680
MAX	1990	1900	1990	1960	2030	1960	1800
MEAN	1880	1860	1860	1850	1930	1900	1740
STD DEV. (σ)	56.6	32.5	56.3	78.4	84.4	27.7	38.7
LIM HI	2700	2700	2700	2700	2700	2700	2700
LIM LO	1500	1500	1500	1500	1500	1500	1500
MEAN+3(σ)	2050	1960	2030	2090	2190	1980	1850
MEAN-3(σ)	1710	1770	1690	1620	1680	1820	1620



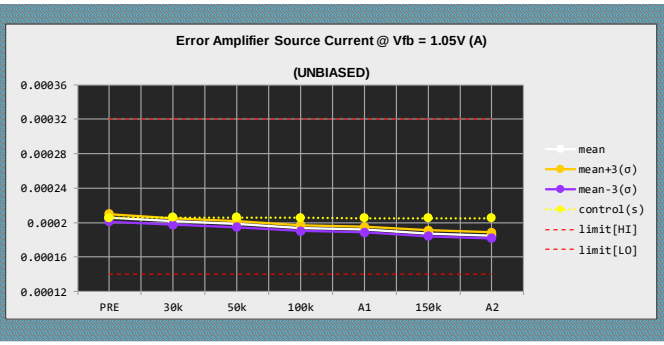
Error Amplifier Transconductance @ ΔI(Vc) = ± 10uA (uMho) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	1930	1940	1930	1930	1920	1920	1930
SN70	1890	1890	1890	1890	1870	1890	1880
SN45	1930	1900	1870	1770	1940	1890	1870
SN46	1940	1810	1820	1770	1750	1880	1860
SN47	1960	1920	1880	1810	1740	1750	1970
SN48	1930	1900	1850	1750	1740	1740	1830
SN50	1920	1870	1750	1750	1740	1720	1820
MIN	1920	1810	1750	1750	1740	1720	1820
MAX	1960	1920	1880	1810	1940	1890	1970
MEAN	1940	1880	1830	1770	1780	1800	1870
STD DEV. (σ)	12.4	42.4	49.8	24.9	88.1	82.0	59.8
LIM HI	2700	2700	2700	2700	2700	2700	2700
LIM LO	1500	1500	1500	1500	1500	1500	1500
MEAN+3(σ)	1970	2010	1980	1840	2050	2040	2050
MEAN-3(σ)	1900	1750	1680	1700	1520	1550	1690



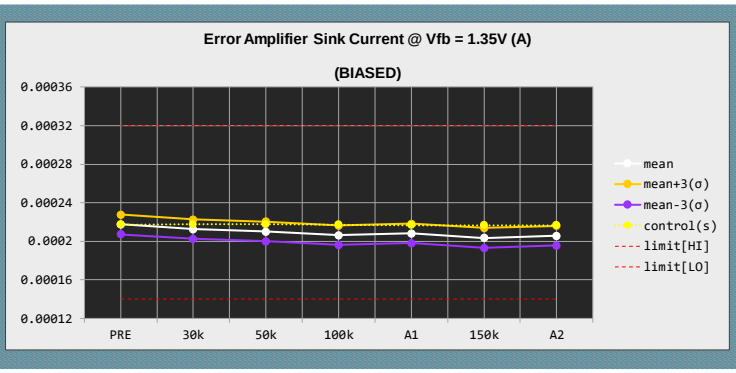
Error Amplifier Source Current @ Vfb = 1.05V (A) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.07E-04	2.08E-04	2.07E-04	2.07E-04	2.06E-04	2.07E-04	2.06E-04
SN70	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04
SN33	2.08E-04	2.02E-04	1.99E-04	1.94E-04	1.91E-04	1.88E-04	1.84E-04
SN35	2.07E-04	2.01E-04	1.98E-04	1.94E-04	1.91E-04	1.87E-04	1.84E-04
SN37	2.02E-04	1.96E-04	1.94E-04	1.89E-04	1.86E-04	1.82E-04	1.78E-04
SN38	2.03E-04	1.97E-04	1.94E-04	1.90E-04	1.86E-04	1.83E-04	1.79E-04
SN39	2.02E-04	1.96E-04	1.92E-04	1.89E-04	1.85E-04	1.82E-04	1.78E-04
SN40	2.04E-04	1.99E-04	1.96E-04	1.92E-04	1.89E-04	1.85E-04	1.81E-04
SN41	2.04E-04	1.98E-04	1.95E-04	1.91E-04	1.87E-04	1.85E-04	1.80E-04
SN42	2.06E-04	2.00E-04	1.97E-04	1.93E-04	1.90E-04	1.86E-04	1.82E-04
SN43	2.03E-04	1.98E-04	1.94E-04	1.90E-04	1.87E-04	1.84E-04	1.79E-04
SN44	2.05E-04	1.99E-04	1.96E-04	1.91E-04	1.89E-04	1.85E-04	1.81E-04
MIN	2.02E-04	1.96E-04	1.92E-04	1.89E-04	1.85E-04	1.82E-04	1.78E-04
MAX	2.08E-04	2.02E-04	1.99E-04	1.94E-04	1.91E-04	1.88E-04	1.84E-04
MEAN	2.05E-04	1.99E-04	1.96E-04	1.91E-04	1.88E-04	1.85E-04	1.81E-04
STD DEV. (σ)	2.02E-06	1.97E-06	2.06E-06	1.90E-06	2.06E-06	2.04E-06	2.10E-06
LIM HI	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
LIM LO	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04
MEAN+3(σ)	2.11E-04	2.05E-04	2.02E-04	1.97E-04	1.94E-04	1.91E-04	1.87E-04
MEAN-3(σ)	1.98E-04	1.93E-04	1.89E-04	1.85E-04	1.82E-04	1.79E-04	1.74E-04



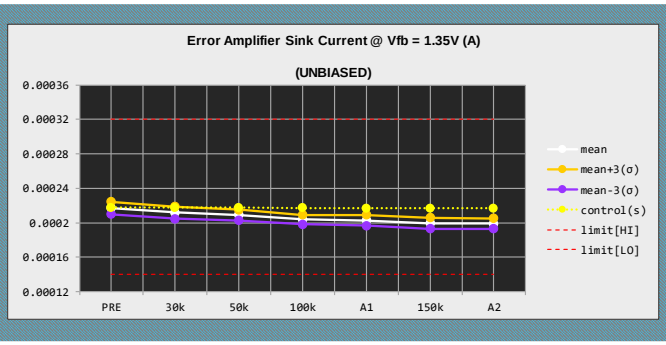
Error Amplifier Source Current @ Vfb = 1.05V (A) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.07E-04	2.08E-04	2.07E-04	2.07E-04	2.06E-04	2.07E-04	2.06E-04
SN70	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04
SN45	2.06E-04	2.01E-04	1.98E-04	1.93E-04	1.92E-04	1.87E-04	1.85E-04
SN46	2.06E-04	2.02E-04	1.99E-04	1.94E-04	1.92E-04	1.88E-04	1.85E-04
SN47	2.07E-04	2.03E-04	2.00E-04	1.95E-04	1.93E-04	1.89E-04	1.87E-04
SN48	2.06E-04	2.02E-04	1.99E-04	1.94E-04	1.92E-04	1.88E-04	1.85E-04
SN50	2.03E-04	1.99E-04	1.96E-04	1.92E-04	1.90E-04	1.86E-04	1.84E-04
MIN	2.03E-04	1.99E-04	1.96E-04	1.92E-04	1.90E-04	1.86E-04	1.84E-04
MAX	2.07E-04	2.03E-04	2.00E-04	1.95E-04	1.93E-04	1.89E-04	1.87E-04
MEAN	2.06E-04	2.01E-04	1.98E-04	1.94E-04	1.92E-04	1.88E-04	1.85E-04
STD DEV. (σ)	1.45E-06	1.30E-06	1.25E-06	1.08E-06	1.05E-06	1.09E-06	1.14E-06
LIM HI	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
LIM LO	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04
MEAN+3(σ)	2.10E-04	2.05E-04	2.02E-04	1.97E-04	1.95E-04	1.91E-04	1.89E-04
MEAN-3(σ)	2.01E-04	1.97E-04	1.95E-04	1.90E-04	1.89E-04	1.84E-04	1.82E-04



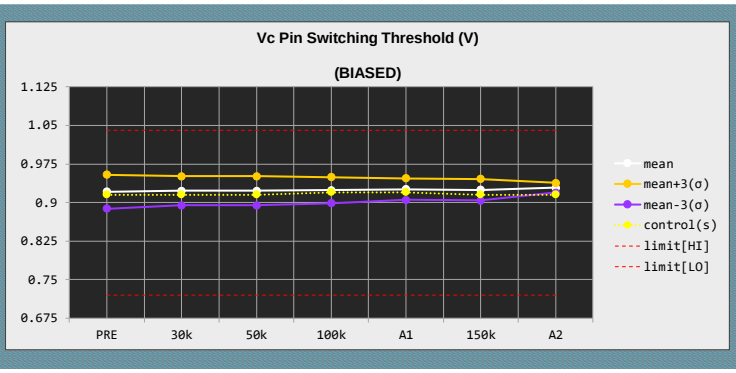
Error Amplifier Sink Current @ Vfb = 1.35V (A) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.19E-04	2.20E-04	2.20E-04	2.19E-04	2.19E-04	2.19E-04	2.19E-04
SN70	2.15E-04	2.16E-04	2.15E-04	2.15E-04	2.15E-04	2.15E-04	2.15E-04
SN33	2.27E-04	2.22E-04	2.20E-04	2.16E-04	2.17E-04	2.13E-04	2.15E-04
SN35	2.18E-04	2.12E-04	2.10E-04	2.07E-04	2.09E-04	2.04E-04	2.07E-04
SN37	2.14E-04	2.10E-04	2.08E-04	2.04E-04	2.06E-04	2.01E-04	2.03E-04
SN38	2.17E-04	2.12E-04	2.10E-04	2.05E-04	2.07E-04	2.02E-04	2.05E-04
SN39	2.15E-04	2.10E-04	2.07E-04	2.04E-04	2.06E-04	2.01E-04	2.03E-04
SN40	2.17E-04	2.12E-04	2.10E-04	2.06E-04	2.08E-04	2.02E-04	2.05E-04
SN41	2.18E-04	2.13E-04	2.10E-04	2.07E-04	2.08E-04	2.03E-04	2.05E-04
SN42	2.17E-04	2.12E-04	2.09E-04	2.06E-04	2.08E-04	2.03E-04	2.06E-04
SN43	2.17E-04	2.12E-04	2.10E-04	2.06E-04	2.08E-04	2.03E-04	2.06E-04
SN44	2.16E-04	2.11E-04	2.08E-04	2.04E-04	2.07E-04	2.02E-04	2.04E-04
MIN	2.14E-04	2.10E-04	2.07E-04	2.04E-04	2.06E-04	2.01E-04	2.03E-04
MAX	2.27E-04	2.22E-04	2.20E-04	2.16E-04	2.17E-04	2.13E-04	2.15E-04
MEAN	2.17E-04	2.13E-04	2.10E-04	2.06E-04	2.08E-04	2.03E-04	2.06E-04
STD DEV. (σ)	3.38E-06	3.32E-06	3.41E-06	3.37E-06	3.34E-06	3.45E-06	3.40E-06
LIM HI	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
LIM LO	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04
MEAN+3(σ)	2.28E-04	2.23E-04	2.20E-04	2.17E-04	2.18E-04	2.14E-04	2.16E-04
MEAN-3(σ)	2.07E-04	2.03E-04	2.00E-04	1.96E-04	1.98E-04	1.93E-04	1.96E-04



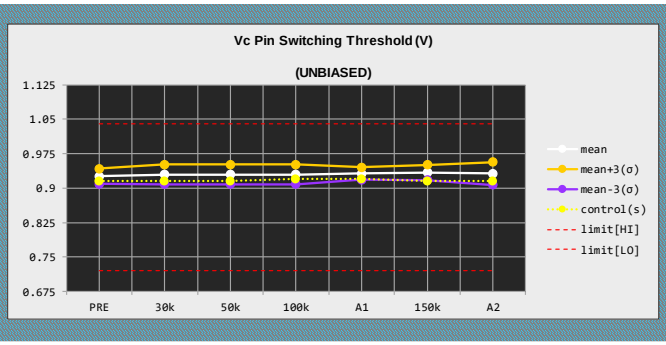
Error Amplifier Sink Current @ Vfb = 1.35V (A) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.19E-04	2.20E-04	2.20E-04	2.19E-04	2.19E-04	2.19E-04	2.19E-04
SN70	2.15E-04	2.16E-04	2.15E-04	2.15E-04	2.15E-04	2.15E-04	2.15E-04
SN45	2.21E-04	2.15E-04	2.12E-04	2.07E-04	2.06E-04	2.02E-04	2.01E-04
SN46	2.17E-04	2.12E-04	2.09E-04	2.04E-04	2.03E-04	2.00E-04	1.99E-04
SN47	2.18E-04	2.13E-04	2.10E-04	2.05E-04	2.04E-04	2.01E-04	2.01E-04
SN48	2.16E-04	2.11E-04	2.08E-04	2.03E-04	2.02E-04	1.99E-04	1.98E-04
SN50	2.14E-04	2.09E-04	2.06E-04	2.02E-04	2.00E-04	1.97E-04	1.96E-04
MIN	2.14E-04	2.09E-04	2.06E-04	2.02E-04	2.00E-04	1.97E-04	1.96E-04
MAX	2.21E-04	2.15E-04	2.12E-04	2.07E-04	2.06E-04	2.02E-04	2.01E-04
MEAN	2.17E-04	2.12E-04	2.09E-04	2.04E-04	2.03E-04	2.00E-04	1.99E-04
STD DEV. (σ)	2.46E-06	2.37E-06	2.11E-06	1.81E-06	2.06E-06	2.13E-06	1.98E-06
LIM HI	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
LIM LO	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04
MEAN+3(σ)	2.25E-04	2.19E-04	2.15E-04	2.09E-04	2.09E-04	2.06E-04	2.05E-04
MEAN-3(σ)	2.10E-04	2.05E-04	2.03E-04	1.98E-04	1.97E-04	1.93E-04	1.93E-04



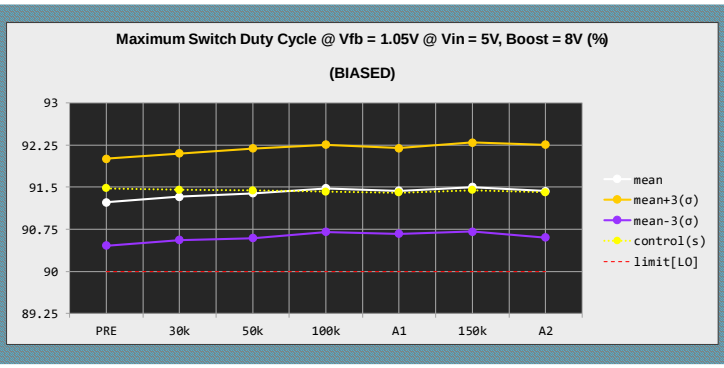
Vc Pin Switching Threshold (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.900	0.900	0.900	0.910	0.910	0.910	0.900
SN70	0.930	0.930	0.930	0.930	0.930	0.920	0.930
SN33	0.930	0.930	0.930	0.920	0.930	0.930	0.930
SN35	0.900	0.910	0.910	0.920	0.930	0.910	0.930
SN37	0.930	0.930	0.930	0.930	0.930	0.930	0.930
SN38	0.930	0.930	0.920	0.930	0.930	0.930	0.930
SN39	0.910	0.910	0.910	0.910	0.930	0.920	0.930
SN40	0.920	0.930	0.930	0.930	0.920	0.930	0.930
SN41	0.930	0.930	0.930	0.930	0.930	0.930	0.930
SN42	0.910	0.910	0.910	0.910	0.910	0.920	0.930
SN43	0.930	0.930	0.930	0.930	0.930	0.930	0.920
SN44	0.920	0.920	0.930	0.930	0.920	0.920	0.930
MIN	0.900	0.910	0.910	0.910	0.910	0.910	0.920
MAX	0.930	0.930	0.930	0.930	0.930	0.930	0.930
MEAN	0.921	0.923	0.923	0.924	0.926	0.925	0.929
STD DEV. (σ)	0.0110	9.49E-03	9.49E-03	8.43E-03	6.99E-03	7.07E-03	3.16E-03
LIM HI	1.04	1.04	1.04	1.04	1.04	1.04	1.04
LIM LO	0.720	0.720	0.720	0.720	0.720	0.720	0.720
MEAN+3(σ)	0.954	0.951	0.951	0.949	0.947	0.946	0.938
MEAN-3(σ)	0.888	0.895	0.895	0.899	0.905	0.904	0.920



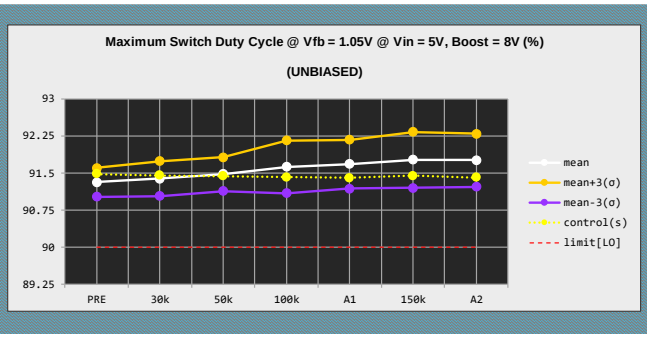
Vc Pin Switching Threshold (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.900	0.900	0.900	0.910	0.910	0.910	0.900
SN70	0.930	0.930	0.930	0.930	0.930	0.920	0.930
SN45	0.920	0.920	0.920	0.920	0.930	0.940	0.940
SN46	0.920	0.940	0.940	0.940	0.940	0.940	0.940
SN47	0.930	0.930	0.930	0.930	0.930	0.930	0.920
SN48	0.930	0.930	0.930	0.930	0.930	0.930	0.930
SN50	0.930	0.930	0.930	0.930	0.930	0.930	0.930
MIN	0.920	0.920	0.920	0.920	0.930	0.930	0.920
MAX	0.930	0.940	0.940	0.940	0.940	0.940	0.940
MEAN	0.926	0.930	0.930	0.930	0.932	0.934	0.932
STD DEV. (σ)	5.48E-03	7.07E-03	7.07E-03	7.07E-03	4.47E-03	5.48E-03	8.37E-03
LIM HI	1.04	1.04	1.04	1.04	1.04	1.04	1.04
LIM LO	0.720	0.720	0.720	0.720	0.720	0.720	0.720
MEAN+3(σ)	0.942	0.951	0.951	0.951	0.945	0.950	0.957
MEAN-3(σ)	0.910	0.909	0.909	0.909	0.919	0.918	0.907



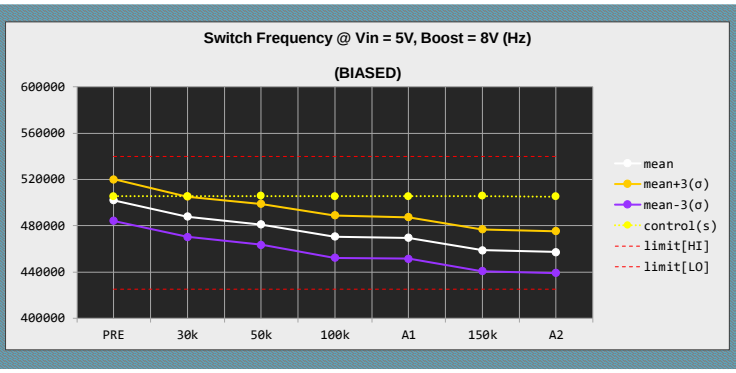
Maximum Switch Duty Cycle @ Vfb = 1.05V @ Vin = 5V, Boost = 8V (%) (BIASED)	PRE	30k	50k	100k	A1	150k	A2
SN60	91.6	91.6	91.6	91.5	91.5	91.6	91.5
SN70	91.4	91.3	91.3	91.3	91.3	91.3	91.3
SN33	91.8	91.8	91.9	92.0	91.9	92.0	91.9
SN35	91.6	91.8	91.8	91.9	91.8	91.9	91.9
SN37	91.2	91.3	91.4	91.4	91.4	91.4	91.3
SN38	91.1	91.2	91.3	91.4	91.3	91.3	91.3
SN39	91.1	91.2	91.2	91.3	91.3	91.4	91.3
SN40	91.0	91.1	91.1	91.2	91.2	91.2	91.2
SN41	91.0	91.1	91.1	91.3	91.1	91.3	91.2
SN42	91.2	91.2	91.3	91.4	91.4	91.5	91.4
SN43	91.3	91.4	91.4	91.5	91.5	91.5	91.4
SN44	91.2	91.3	91.3	91.4	91.4	91.4	91.4
MIN	91.0	91.1	91.1	91.2	91.1	91.2	91.2
MAX	91.8	91.8	91.9	92.0	91.9	92.0	91.9
MEAN	91.2	91.3	91.4	91.5	91.4	91.5	91.4
STD DEV. (σ)	0.258	0.257	0.266	0.259	0.254	0.264	0.275
LIM LO	90.0	90.0	90.0	90.0	90.0	90.0	90.0
MEAN+3(σ)	92.0	92.1	92.2	92.3	92.2	92.3	92.3
MEAN-3(σ)	90.5	90.6	90.6	90.7	90.7	90.7	90.6



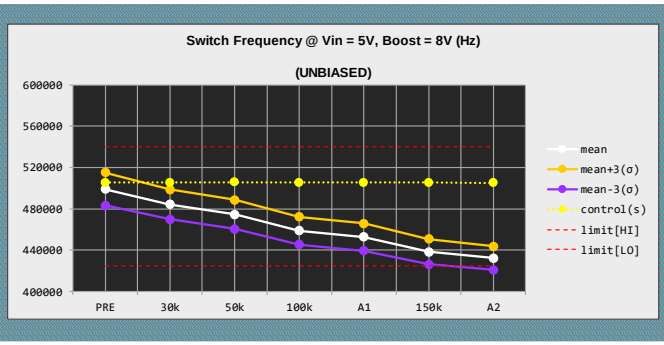
Maximum Switch Duty Cycle @ Vfb = 1.05V @ Vin = 5V, Boost = 8V (%) (UNBIASED)	PRE	30k	50k	100k	A1	150k	A2
SN60	91.6	91.6	91.6	91.5	91.5	91.6	91.5
SN70	91.4	91.3	91.3	91.3	91.3	91.3	91.3
SN45	91.2	91.3	91.4	91.5	91.6	91.7	91.6
SN46	91.4	91.5	91.5	91.7	91.7	91.8	91.8
SN47	91.5	91.6	91.7	91.9	91.9	92.1	92.0
SN48	91.3	91.3	91.5	91.5	91.6	91.7	91.7
SN50	91.2	91.3	91.4	91.5	91.5	91.6	91.6
MIN	91.2	91.3	91.4	91.5	91.5	91.6	91.6
MAX	91.5	91.6	91.7	91.9	91.9	92.1	92.0
MEAN	91.3	91.4	91.5	91.6	91.7	91.8	91.8
STD DEV. (σ)	0.0969	0.117	0.113	0.177	0.164	0.188	0.179
LIM LO	90.0	90.0	90.0	90.0	90.0	90.0	90.0
MEAN+3(σ)	91.6	91.7	91.8	92.2	92.2	92.3	92.3
MEAN-3(σ)	91.0	91.0	91.1	91.1	91.2	91.2	91.2



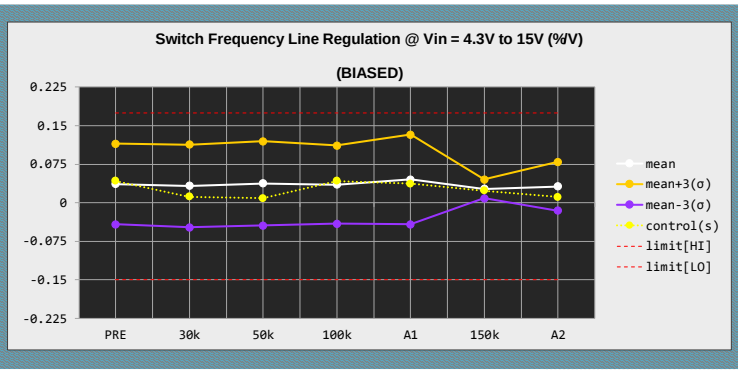
Switch Frequency @ Vin = 5V, Boost = 8V (Hz) (BIASED)	PRE	30k	50k	100k	A1	150k	A2
SN60	5.11E+05	5.10E+05	5.11E+05	5.11E+05	5.10E+05	5.11E+05	5.10E+05
SN70	5.00E+05	5.01E+05	5.00E+05	5.01E+05	5.01E+05	5.00E+05	5.00E+05
SN33	4.95E+05	4.81E+05	4.74E+05	4.63E+05	4.62E+05	4.51E+05	4.50E+05
SN35	4.98E+05	4.84E+05	4.76E+05	4.66E+05	4.65E+05	4.54E+05	4.52E+05
SN37	5.01E+05	4.86E+05	4.80E+05	4.69E+05	4.68E+05	4.57E+05	4.56E+05
SN38	4.94E+05	4.80E+05	4.74E+05	4.63E+05	4.61E+05	4.51E+05	4.50E+05
SN39	5.06E+05	4.91E+05	4.85E+05	4.74E+05	4.73E+05	4.62E+05	4.61E+05
SN40	5.08E+05	4.94E+05	4.88E+05	4.78E+05	4.76E+05	4.66E+05	4.64E+05
SN41	5.08E+05	4.94E+05	4.87E+05	4.77E+05	4.76E+05	4.66E+05	4.64E+05
SN42	5.09E+05	4.94E+05	4.87E+05	4.77E+05	4.75E+05	4.65E+05	4.63E+05
SN43	4.96E+05	4.82E+05	4.76E+05	4.65E+05	4.65E+05	4.54E+05	4.52E+05
SN44	5.06E+05	4.91E+05	4.85E+05	4.74E+05	4.73E+05	4.62E+05	4.61E+05
MIN	4.94E+05	4.80E+05	4.74E+05	4.63E+05	4.61E+05	4.51E+05	4.50E+05
MAX	5.09E+05	4.94E+05	4.88E+05	4.78E+05	4.76E+05	4.66E+05	4.64E+05
MEAN	5.02E+05	4.88E+05	4.81E+05	4.71E+05	4.70E+05	4.59E+05	4.57E+05
STD DEV. (σ)	6000	5790	5920	6100	5970	5990	6000
LIM HI	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05
LIM LO	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05
MEAN+3(σ)	5.20E+05	5.05E+05	4.99E+05	4.89E+05	4.87E+05	4.77E+05	4.75E+05
MEAN-3(σ)	4.84E+05	4.70E+05	4.63E+05	4.52E+05	4.52E+05	4.41E+05	4.39E+05



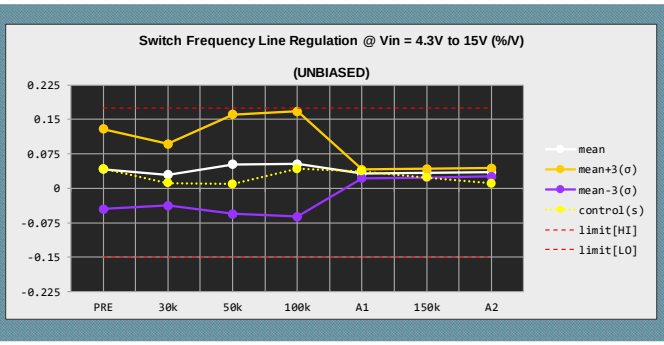
Switch Frequency @ Vin = 5V, Boost = 8V (Hz) (UNBIASED)	PRE	30k	50k	100k	A1	150k	A2
SN60	5.11E+05	5.10E+05	5.11E+05	5.11E+05	5.10E+05	5.11E+05	5.10E+05
SN70	5.00E+05	5.01E+05	5.00E+05	5.01E+05	5.01E+05	5.00E+05	5.00E+05
SN45	4.99E+05	4.85E+05	4.75E+05	4.59E+05	4.54E+05	4.39E+05	4.33E+05
SN46	4.96E+05	4.81E+05	4.71E+05	4.55E+05	4.48E+05	4.35E+05	4.29E+05
SN47	5.08E+05	4.92E+05	4.83E+05	4.66E+05	4.60E+05	4.45E+05	4.38E+05
SN48	4.97E+05	4.82E+05	4.72E+05	4.56E+05	4.50E+05	4.36E+05	4.30E+05
SN50	4.95E+05	4.82E+05	4.73E+05	4.58E+05	4.51E+05	4.38E+05	4.32E+05
MIN	4.95E+05	4.81E+05	4.71E+05	4.55E+05	4.48E+05	4.35E+05	4.29E+05
MAX	5.08E+05	4.92E+05	4.83E+05	4.66E+05	4.60E+05	4.45E+05	4.38E+05
MEAN	4.99E+05	4.84E+05	4.75E+05	4.59E+05	4.53E+05	4.39E+05	4.32E+05
STD DEV. (σ)	5320	4800	4700	4430	4410	4090	3800
LIM HI	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05
LIM LO	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05
MEAN+3(σ)	5.15E+05	4.99E+05	4.89E+05	4.72E+05	4.66E+05	4.51E+05	4.44E+05
MEAN-3(σ)	4.83E+05	4.70E+05	4.61E+05	4.46E+05	4.40E+05	4.26E+05	4.21E+05



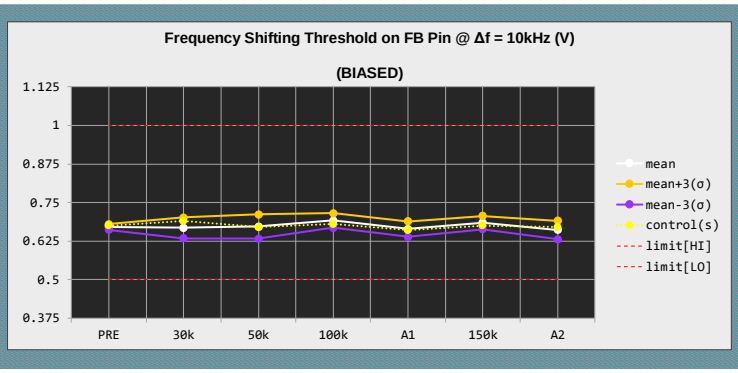
Switch Frequency Line Regulation @ Vin = 4.3V to 15V (%/V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.69E-04	9.05E-03	4.88E-03	0.0257	0.0288	0.0309	0.0217
SN70	0.0849	0.0142	0.0132	0.0592	0.0459	0.0159	3.96E-04
SN33	0.0205	0.0212	0.0138	0.0723	0.0190	0.0260	0.0284
SN35	0.0549	0.0854	0.0963	1.81E-04	0.0560	0.0287	0.0273
SN37	0.0241	0.0388	0.0603	0.0328	0.0499	0.0308	0.0221
SN38	0.0911	0.0146	0.0107	0.0225	0.0359	0.0321	0.0288
SN39	0.0213	0.0171	0.0504	0.0217	0.0996	0.0231	0.0396
SN40	0.0216	0.0234	0.0295	0.0181	4.97E-03	0.0185	0.0213
SN41	0.0228	0.0487	0.0516	0.0187	0.0792	0.0387	0.0287
SN42	0.0179	0.0670	8.98E-03	0.0772	0.0321	0.0216	0.0744
SN43	0.0705	3.25E-03	0.0269	0.0573	0.0561	0.0309	0.0274
SN44	0.0204	8.75E-03	0.0266	0.0338	0.0197	0.0221	0.0223
MIN	0.0179	3.25E-03	8.98E-03	1.81E-04	4.97E-03	0.0185	0.0213
MAX	0.0911	0.0854	0.0963	0.0772	0.0996	0.0387	0.0744
MEAN	0.0365	0.0328	0.0375	0.0354	0.0453	0.0272	0.0320
STD DEV. (σ)	0.0261	0.0268	0.0274	0.0254	0.0290	6.10E-03	0.0158
LIM HI	0.175	0.175	0.175	0.175	0.175	0.175	0.175
LIM LO	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
MEAN+3(σ)	0.115	0.113	0.120	0.112	0.132	0.0455	0.0793
MEAN-3(σ)	-0.0418	-0.0477	-0.0446	-0.0408	-0.0418	8.93E-03	-0.0153



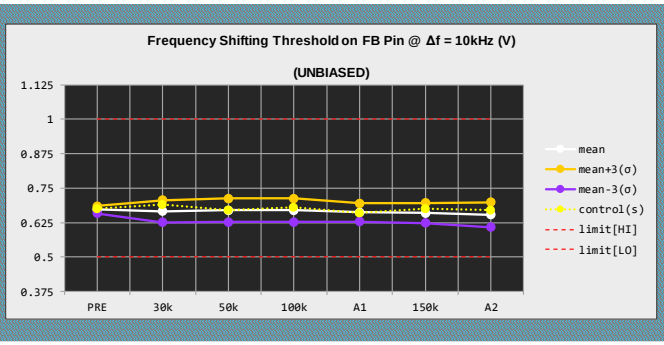
Switch Frequency Line Regulation @ Vin = 4.3V to 15V (%/V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.69E-04	9.05E-03	4.88E-03	0.0257	0.0288	0.0309	0.0217
SN70	0.0849	0.0142	0.0132	0.0592	0.0459	0.0159	3.96E-04
SN45	0.0314	0.0317	2.62E-03	0.0436	0.0299	0.0326	0.0364
SN46	0.0214	5.26E-03	0.0745	0.0269	0.0314	0.0285	0.0344
SN47	0.0932	0.0403	0.0849	0.120	0.0273	0.0339	0.0381
SN48	0.0314	0.0104	0.0261	0.0297	0.0342	0.0335	0.0303
SN50	0.0318	0.0602	0.0742	0.0449	0.0353	0.0374	0.0354
MIN	0.0214	5.26E-03	2.62E-03	0.0269	0.0273	0.0285	0.0303
MAX	0.0932	0.0602	0.0849	0.120	0.0353	0.0374	0.0381
MEAN	0.0418	0.0296	0.0525	0.0530	0.0316	0.0332	0.0349
STD DEV. (σ)	0.0290	0.0225	0.0360	0.0383	3.22E-03	3.21E-03	2.92E-03
LIM HI	0.175	0.175	0.175	0.175	0.175	0.175	0.175
LIM LO	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
MEAN+3(σ)	0.129	0.0969	0.161	0.168	0.0413	0.0428	0.0437
MEAN-3(σ)	-0.0453	-0.0378	-0.0556	-0.0617	0.0219	0.0236	0.0262



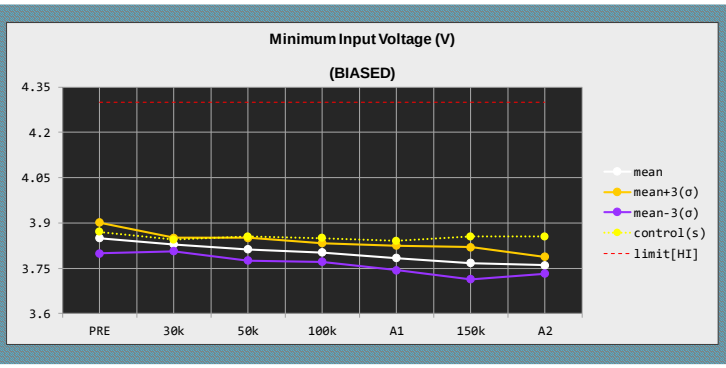
Frequency Shifting Threshold on FB Pin @ Δf = 10kHz (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.680	0.690	0.680	0.680	0.660	0.690	0.680
SN70	0.670	0.690	0.660	0.680	0.660	0.660	0.660
SN33	0.670	0.670	0.690	0.700	0.660	0.690	0.660
SN35	0.670	0.690	0.690	0.710	0.680	0.690	0.660
SN37	0.670	0.660	0.660	0.690	0.660	0.680	0.670
SN38	0.670	0.660	0.660	0.690	0.660	0.690	0.650
SN39	0.670	0.660	0.660	0.690	0.660	0.690	0.640
SN40	0.670	0.660	0.660	0.680	0.680	0.670	0.670
SN41	0.670	0.660	0.660	0.690	0.660	0.690	0.670
SN42	0.670	0.680	0.680	0.690	0.660	0.680	0.660
SN43	0.680	0.660	0.680	0.690	0.660	0.690	0.670
SN44	0.670	0.680	0.680	0.690	0.660	0.680	0.660
MIN	0.670	0.660	0.660	0.680	0.660	0.670	0.640
MAX	0.680	0.690	0.690	0.710	0.680	0.690	0.670
MEAN	0.671	0.668	0.672	0.692	0.664	0.685	0.661
STD DEV. (σ)	3.16E-03	0.0114	0.0132	7.89E-03	8.43E-03	7.07E-03	9.94E-03
LIM HI	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LIM LO	0.500	0.500	0.500	0.500	0.500	0.500	0.500
MEAN+3(σ)	0.680	0.702	0.711	0.716	0.689	0.706	0.691
MEAN-3(σ)	0.662	0.634	0.633	0.668	0.639	0.664	0.631



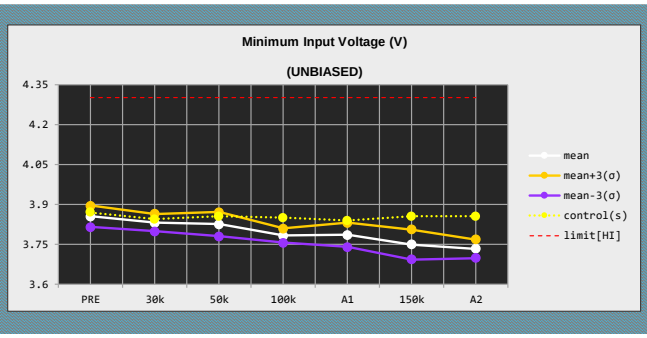
Frequency Shifting Threshold on FB Pin @ Δf = 10kHz (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.680	0.690	0.680	0.680	0.660	0.690	0.680
SN70	0.670	0.690	0.660	0.680	0.660	0.660	0.660
SN45	0.670	0.660	0.660	0.660	0.660	0.660	0.670
SN46	0.680	0.660	0.660	0.660	0.660	0.650	0.650
SN47	0.670	0.690	0.680	0.690	0.660	0.680	0.670
SN48	0.670	0.660	0.660	0.680	0.680	0.660	0.640
SN50	0.670	0.660	0.690	0.660	0.650	0.650	0.640
MIN	0.670	0.660	0.660	0.660	0.650	0.650	0.640
MAX	0.680	0.690	0.690	0.690	0.680	0.680	0.670
MEAN	0.672	0.666	0.670	0.670	0.662	0.660	0.654
STD DEV. (σ)	4.47E-03	0.0134	0.0141	0.0141	0.0110	0.0122	0.0152
LIM HI	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LIM LO	0.500	0.500	0.500	0.500	0.500	0.500	0.500
MEAN+3(σ)	0.685	0.706	0.712	0.712	0.695	0.697	0.699
MEAN-3(σ)	0.659	0.626	0.628	0.628	0.629	0.623	0.609



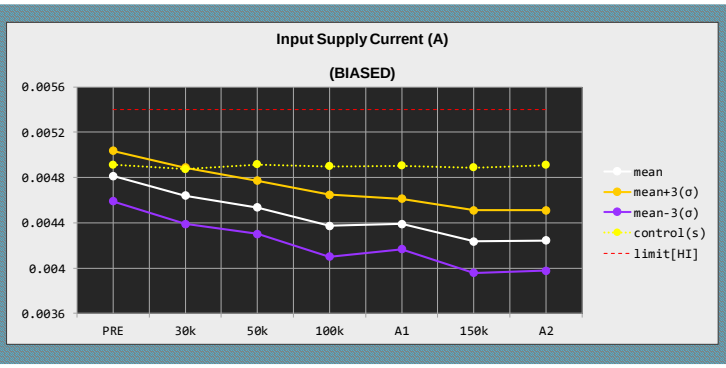
Minimum Input Voltage (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.85	3.83	3.86	3.86	3.84	3.85	3.85
SN70	3.89	3.86	3.85	3.84	3.84	3.86	3.86
SN33	3.86	3.83	3.82	3.80	3.78	3.77	3.75
SN35	3.84	3.83	3.82	3.80	3.78	3.76	3.78
SN37	3.89	3.83	3.80	3.80	3.79	3.75	3.76
SN38	3.85	3.84	3.80	3.79	3.77	3.77	3.76
SN39	3.83	3.82	3.80	3.81	3.78	3.78	3.76
SN40	3.83	3.83	3.80	3.78	3.79	3.77	3.76
SN41	3.85	3.82	3.82	3.81	3.77	3.74	3.75
SN42	3.85	3.83	3.83	3.81	3.80	3.80	3.77
SN43	3.85	3.82	3.81	3.81	3.77	3.75	3.75
SN44	3.85	3.84	3.83	3.81	3.81	3.78	3.76
MIN	3.83	3.82	3.80	3.78	3.77	3.74	3.75
MAX	3.89	3.84	3.83	3.81	3.81	3.80	3.78
MEAN	3.85	3.83	3.81	3.80	3.78	3.77	3.76
STD DEV. (σ)	0.0170	7.38E-03	0.0125	0.0103	0.0135	0.0177	9.43E-03
LIM HI	4.30	4.30	4.30	4.30	4.30	4.30	4.30
MEAN+3(σ)	3.90	3.85	3.85	3.83	3.82	3.82	3.79
MEAN-3(σ)	3.80	3.81	3.78	3.77	3.74	3.71	3.73



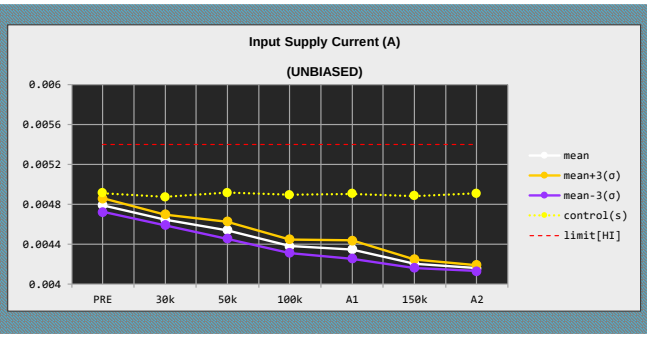
Minimum Input Voltage (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.85	3.83	3.86	3.86	3.84	3.85	3.85
SN70	3.89	3.86	3.85	3.84	3.84	3.86	3.86
SN45	3.85	3.82	3.80	3.77	3.78	3.76	3.72
SN46	3.88	3.83	3.83	3.79	3.77	3.73	3.74
SN47	3.85	3.85	3.83	3.79	3.81	3.77	3.73
SN48	3.85	3.83	3.83	3.79	3.79	3.73	3.73
SN50	3.85	3.83	3.84	3.78	3.78	3.76	3.75
MIN	3.85	3.82	3.80	3.77	3.77	3.73	3.72
MAX	3.88	3.85	3.84	3.79	3.81	3.77	3.75
MEAN	3.86	3.83	3.83	3.78	3.79	3.75	3.73
STD DEV. (σ)	0.0134	0.0110	0.0152	8.94E-03	0.0152	0.0187	0.0114
LIM HI	4.30	4.30	4.30	4.30	4.30	4.30	4.30
MEAN+3(σ)	3.90	3.86	3.87	3.81	3.83	3.81	3.77
MEAN-3(σ)	3.82	3.80	3.78	3.76	3.74	3.69	3.70



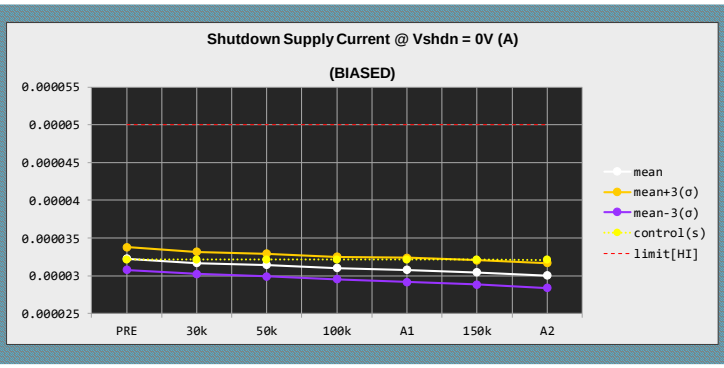
Input Supply Current (A) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	4.83E-03	4.79E-03	4.84E-03	4.84E-03	4.82E-03	4.78E-03	4.83E-03
SN70	5.00E-03	4.96E-03	4.99E-03	4.96E-03	4.99E-03	4.99E-03	4.99E-03
SN33	5.01E-03	4.87E-03	4.75E-03	4.62E-03	4.58E-03	4.48E-03	4.48E-03
SN35	4.81E-03	4.60E-03	4.51E-03	4.37E-03	4.36E-03	4.24E-03	4.27E-03
SN37	4.77E-03	4.60E-03	4.50E-03	4.32E-03	4.34E-03	4.17E-03	4.17E-03
SN38	4.77E-03	4.60E-03	4.51E-03	4.31E-03	4.35E-03	4.17E-03	4.21E-03
SN39	4.76E-03	4.60E-03	4.50E-03	4.31E-03	4.34E-03	4.18E-03	4.21E-03
SN40	4.80E-03	4.63E-03	4.53E-03	4.33E-03	4.32E-03	4.18E-03	4.18E-03
SN41	4.82E-03	4.65E-03	4.56E-03	4.37E-03	4.41E-03	4.23E-03	4.23E-03
SN42	4.83E-03	4.62E-03	4.52E-03	4.39E-03	4.42E-03	4.25E-03	4.25E-03
SN43	4.74E-03	4.61E-03	4.47E-03	4.34E-03	4.37E-03	4.20E-03	4.19E-03
SN44	4.82E-03	4.61E-03	4.51E-03	4.37E-03	4.41E-03	4.24E-03	4.23E-03
MIN	4.74E-03	4.60E-03	4.47E-03	4.31E-03	4.32E-03	4.17E-03	4.17E-03
MAX	5.01E-03	4.87E-03	4.75E-03	4.62E-03	4.58E-03	4.48E-03	4.48E-03
MEAN	4.81E-03	4.64E-03	4.54E-03	4.37E-03	4.39E-03	4.24E-03	4.24E-03
STD DEV. (σ)	7.41E-05	8.29E-05	7.83E-05	9.11E-05	7.42E-05	9.22E-05	8.88E-05
LIM HI	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03
MEAN+3(σ)	5.04E-03	4.89E-03	4.77E-03	4.65E-03	4.61E-03	4.51E-03	4.51E-03
MEAN-3(σ)	4.59E-03	4.39E-03	4.30E-03	4.10E-03	4.17E-03	3.96E-03	3.98E-03



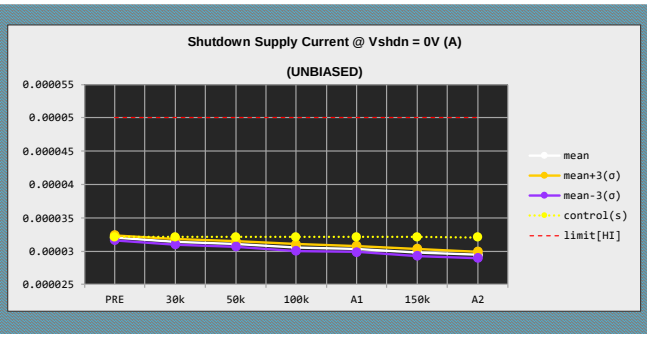
Input Supply Current (A) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	4.83E-03	4.79E-03	4.84E-03	4.84E-03	4.82E-03	4.78E-03	4.83E-03
SN70	5.00E-03	4.96E-03	4.99E-03	4.96E-03	4.99E-03	4.99E-03	4.99E-03
SN45	4.81E-03	4.66E-03	4.56E-03	4.40E-03	4.36E-03	4.19E-03	4.15E-03
SN46	4.76E-03	4.67E-03	4.57E-03	4.41E-03	4.36E-03	4.23E-03	4.18E-03
SN47	4.82E-03	4.63E-03	4.54E-03	4.38E-03	4.38E-03	4.21E-03	4.16E-03
SN48	4.80E-03	4.65E-03	4.55E-03	4.35E-03	4.30E-03	4.20E-03	4.17E-03
SN50	4.77E-03	4.63E-03	4.50E-03	4.38E-03	4.33E-03	4.20E-03	4.16E-03
MIN	4.76E-03	4.63E-03	4.50E-03	4.35E-03	4.30E-03	4.19E-03	4.15E-03
MAX	4.82E-03	4.67E-03	4.57E-03	4.41E-03	4.38E-03	4.23E-03	4.18E-03
MEAN	4.79E-03	4.65E-03	4.54E-03	4.38E-03	4.35E-03	4.21E-03	4.16E-03
STD DEV. (σ)	2.23E-05	1.79E-05	2.90E-05	2.30E-05	3.02E-05	1.45E-05	9.87E-06
LIM HI	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03
MEAN+3(σ)	4.86E-03	4.70E-03	4.63E-03	4.45E-03	4.44E-03	4.25E-03	4.19E-03
MEAN-3(σ)	4.72E-03	4.59E-03	4.46E-03	4.31E-03	4.26E-03	4.16E-03	4.13E-03



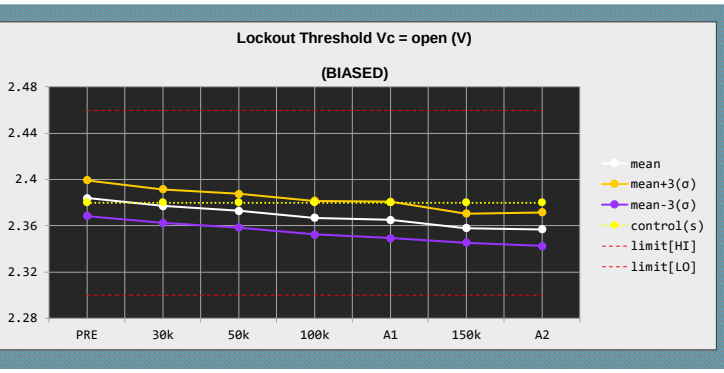
Shutdown Supply Current @ Vshdn = 0V (A) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05
SN70	3.22E-05	3.22E-05	3.21E-05	3.22E-05	3.22E-05	3.22E-05	3.21E-05
SN33	3.16E-05	3.10E-05	3.08E-05	3.04E-05	2.99E-05	2.96E-05	2.92E-05
SN35	3.21E-05	3.15E-05	3.12E-05	3.08E-05	3.06E-05	3.03E-05	2.99E-05
SN37	3.18E-05	3.12E-05	3.09E-05	3.05E-05	3.03E-05	3.00E-05	2.95E-05
SN38	3.29E-05	3.24E-05	3.21E-05	3.17E-05	3.15E-05	3.11E-05	3.07E-05
SN39	3.27E-05	3.21E-05	3.19E-05	3.15E-05	3.13E-05	3.09E-05	3.06E-05
SN40	3.22E-05	3.16E-05	3.13E-05	3.09E-05	3.07E-05	3.04E-05	2.97E-05
SN41	3.30E-05	3.23E-05	3.21E-05	3.17E-05	3.15E-05	3.11E-05	3.08E-05
SN42	3.20E-05	3.14E-05	3.12E-05	3.08E-05	3.06E-05	3.01E-05	2.99E-05
SN43	3.26E-05	3.21E-05	3.18E-05	3.14E-05	3.12E-05	3.08E-05	3.05E-05
SN44	3.19E-05	3.13E-05	3.10E-05	3.06E-05	3.04E-05	3.00E-05	2.97E-05
MIN	3.16E-05	3.10E-05	3.08E-05	3.04E-05	2.99E-05	2.96E-05	2.92E-05
MAX	3.30E-05	3.24E-05	3.21E-05	3.17E-05	3.15E-05	3.11E-05	3.08E-05
MEAN	3.23E-05	3.17E-05	3.14E-05	3.10E-05	3.08E-05	3.04E-05	3.00E-05
STD DEV. (σ)	4.97E-07	4.89E-07	5.03E-07	4.91E-07	5.41E-07	5.36E-07	5.47E-07
LIM HI	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05
MEAN+3(σ)	3.38E-05	3.32E-05	3.29E-05	3.25E-05	3.24E-05	3.20E-05	3.17E-05
MEAN-3(σ)	3.08E-05	3.02E-05	2.99E-05	2.96E-05	2.92E-05	2.88E-05	2.84E-05



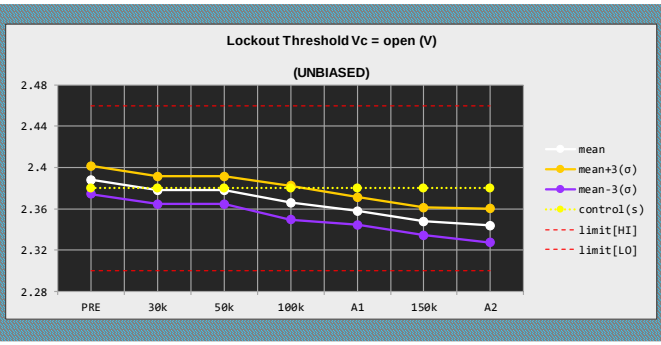
Shutdown Supply Current @ Vshdn = 0V (A) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05
SN70	3.22E-05	3.22E-05	3.21E-05	3.22E-05	3.22E-05	3.22E-05	3.21E-05
SN45	3.20E-05	3.14E-05	3.10E-05	3.05E-05	3.03E-05	2.98E-05	2.95E-05
SN46	3.19E-05	3.12E-05	3.09E-05	3.03E-05	3.01E-05	2.96E-05	2.93E-05
SN47	3.20E-05	3.14E-05	3.10E-05	3.05E-05	3.03E-05	2.97E-05	2.93E-05
SN48	3.22E-05	3.16E-05	3.12E-05	3.07E-05	3.05E-05	2.99E-05	2.95E-05
SN50	3.22E-05	3.16E-05	3.13E-05	3.08E-05	3.05E-05	3.01E-05	2.97E-05
MIN	3.19E-05	3.12E-05	3.09E-05	3.03E-05	3.01E-05	2.96E-05	2.93E-05
MAX	3.22E-05	3.16E-05	3.13E-05	3.08E-05	3.05E-05	3.01E-05	2.97E-05
MEAN	3.20E-05	3.14E-05	3.11E-05	3.06E-05	3.03E-05	2.98E-05	2.95E-05
STD DEV. (σ)	1.25E-07	1.48E-07	1.33E-07	1.73E-07	1.59E-07	1.75E-07	1.68E-07
LIM HI	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05
MEAN+3(σ)	3.24E-05	3.19E-05	3.15E-05	3.11E-05	3.08E-05	3.03E-05	3.00E-05
MEAN-3(σ)	3.17E-05	3.10E-05	3.07E-05	3.00E-05	2.99E-05	2.93E-05	2.90E-05



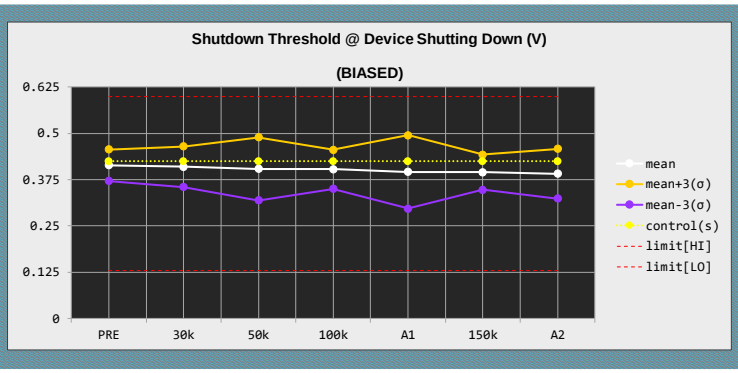
Lockout Threshold Vc = open (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.38	2.38	2.38	2.38	2.38	2.38	2.38
SN70	2.38	2.38	2.38	2.38	2.38	2.38	2.38
SN33	2.38	2.38	2.37	2.37	2.36	2.36	2.36
SN35	2.39	2.38	2.38	2.37	2.37	2.36	2.36
SN37	2.39	2.38	2.37	2.37	2.37	2.36	2.36
SN38	2.38	2.38	2.37	2.37	2.36	2.36	2.36
SN39	2.38	2.37	2.37	2.36	2.36	2.35	2.35
SN40	2.38	2.37	2.37	2.36	2.36	2.35	2.35
SN41	2.38	2.37	2.37	2.36	2.36	2.36	2.35
SN42	2.39	2.38	2.38	2.37	2.37	2.36	2.36
SN43	2.39	2.38	2.38	2.37	2.37	2.36	2.36
SN44	2.38	2.38	2.37	2.37	2.37	2.36	2.36
MIN	2.38	2.37	2.37	2.36	2.36	2.35	2.35
MAX	2.39	2.38	2.38	2.37	2.37	2.36	2.36
MEAN	2.38	2.38	2.37	2.37	2.37	2.36	2.36
STD DEV. (σ)	5.16E-03	4.83E-03	4.83E-03	4.83E-03	5.27E-03	4.22E-03	4.83E-03
LIM HI	2.46	2.46	2.46	2.46	2.46	2.46	2.46
LIM LO	2.30	2.30	2.30	2.30	2.30	2.30	2.30
MEAN+3(σ)	2.40	2.39	2.39	2.38	2.38	2.37	2.37
MEAN-3(σ)	2.37	2.36	2.36	2.35	2.35	2.35	2.34



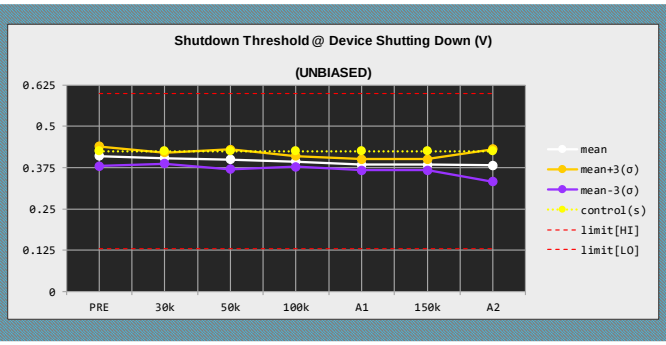
Lockout Threshold Vc = open (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.38	2.38	2.38	2.38	2.38	2.38	2.38
SN70	2.38	2.38	2.38	2.38	2.38	2.38	2.38
SN45	2.38	2.37	2.37	2.36	2.35	2.34	2.34
SN46	2.39	2.38	2.38	2.36	2.36	2.35	2.34
SN47	2.39	2.38	2.38	2.37	2.36	2.35	2.35
SN48	2.39	2.38	2.38	2.37	2.36	2.35	2.34
SN50	2.39	2.38	2.38	2.37	2.36	2.35	2.35
MIN	2.38	2.37	2.37	2.36	2.35	2.34	2.34
MAX	2.39	2.38	2.38	2.37	2.36	2.35	2.35
MEAN	2.39	2.38	2.38	2.37	2.36	2.35	2.34
STD DEV. (σ)	4.47E-03	4.47E-03	4.47E-03	5.48E-03	4.47E-03	4.47E-03	5.48E-03
LIM HI	2.46	2.46	2.46	2.46	2.46	2.46	2.46
LIM LO	2.30	2.30	2.30	2.30	2.30	2.30	2.30
MEAN+3(σ)	2.40	2.39	2.39	2.38	2.37	2.36	2.36
MEAN-3(σ)	2.37	2.36	2.36	2.35	2.34	2.33	2.33



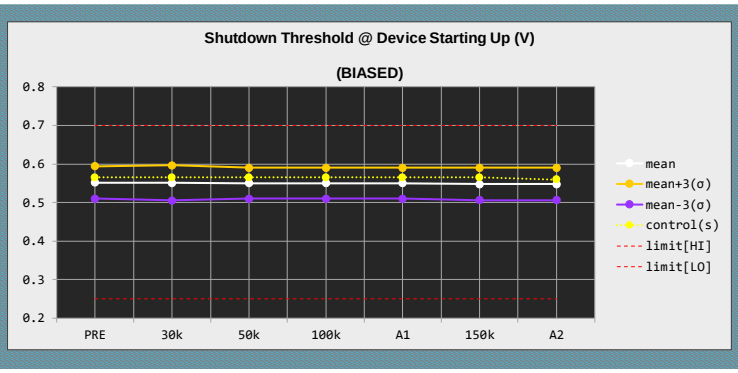
Shutdown Threshold @ Device Shutting Down (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.430	0.430	0.430	0.430	0.430	0.430	0.430
SN70	0.420	0.420	0.420	0.420	0.420	0.420	0.420
SN33	0.410	0.410	0.410	0.400	0.400	0.390	0.390
SN35	0.410	0.410	0.410	0.400	0.400	0.390	0.390
SN37	0.410	0.410	0.410	0.400	0.400	0.390	0.390
SN38	0.410	0.410	0.410	0.400	0.400	0.390	0.390
SN39	0.440	0.440	0.430	0.430	0.430	0.420	0.420
SN40	0.400	0.370	0.330	0.370	0.310	0.370	0.340
SN41	0.410	0.410	0.410	0.400	0.400	0.400	0.390
SN42	0.410	0.410	0.410	0.410	0.400	0.400	0.400
SN43	0.440	0.430	0.430	0.430	0.430	0.420	0.420
SN44	0.400	0.400	0.390	0.390	0.390	0.380	0.380
MIN	0.400	0.370	0.330	0.370	0.310	0.370	0.340
MAX	0.440	0.440	0.430	0.430	0.430	0.420	0.420
MEAN	0.414	0.410	0.404	0.403	0.396	0.395	0.391
STD DEV. (σ)	0.0143	0.0183	0.0284	0.0177	0.0331	0.0158	0.0223
LIM HI	0.600	0.600	0.600	0.600	0.600	0.600	0.600
LIM LO	0.130	0.130	0.130	0.130	0.130	0.130	0.130
MEAN+3(σ)	0.457	0.465	0.489	0.456	0.495	0.442	0.458
MEAN-3(σ)	0.371	0.355	0.319	0.350	0.297	0.348	0.324



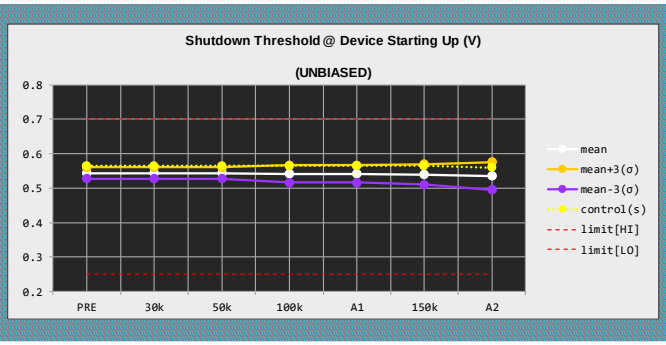
Shutdown Threshold @ Device Shutting Down (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.430	0.430	0.430	0.430	0.430	0.430	0.430
SN70	0.420	0.420	0.420	0.420	0.420	0.420	0.420
SN45	0.400	0.400	0.390	0.390	0.380	0.380	0.370
SN46	0.410	0.400	0.400	0.390	0.380	0.380	0.410
SN47	0.420	0.410	0.410	0.400	0.390	0.390	0.380
SN48	0.400	0.400	0.390	0.390	0.380	0.380	0.370
SN50	0.420	0.410	0.410	0.400	0.390	0.390	0.380
MIN	0.400	0.400	0.390	0.390	0.380	0.380	0.370
MAX	0.420	0.410	0.410	0.400	0.390	0.390	0.410
MEAN	0.410	0.404	0.400	0.394	0.384	0.384	0.382
STD DEV. (σ)	0.0100	5.48E-03	0.0100	5.48E-03	5.48E-03	5.48E-03	0.0164
LIM HI	0.600	0.600	0.600	0.600	0.600	0.600	0.600
LIM LO	0.130	0.130	0.130	0.130	0.130	0.130	0.130
MEAN+3(σ)	0.440	0.420	0.430	0.410	0.400	0.400	0.431
MEAN-3(σ)	0.380	0.388	0.370	0.378	0.368	0.368	0.333



Shutdown Threshold @ Device Starting Up (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.570	0.570	0.570	0.570	0.570	0.570	0.560
SN70	0.560	0.560	0.560	0.560	0.560	0.560	0.560
SN33	0.550	0.550	0.550	0.550	0.550	0.540	0.540
SN35	0.550	0.550	0.550	0.550	0.550	0.550	0.550
SN37	0.550	0.550	0.550	0.550	0.550	0.550	0.550
SN38	0.550	0.550	0.550	0.550	0.550	0.540	0.540
SN39	0.580	0.580	0.570	0.570	0.570	0.570	0.570
SN40	0.530	0.530	0.530	0.530	0.530	0.530	0.530
SN41	0.550	0.550	0.550	0.550	0.550	0.550	0.550
SN42	0.550	0.550	0.550	0.550	0.550	0.550	0.550
SN43	0.570	0.570	0.570	0.570	0.570	0.570	0.570
SN44	0.540	0.530	0.530	0.530	0.530	0.530	0.530
MIN	0.530	0.530	0.530	0.530	0.530	0.530	0.530
MAX	0.580	0.580	0.570	0.570	0.570	0.570	0.570
MEAN	0.552	0.551	0.550	0.550	0.550	0.548	0.548
STD DEV. (σ)	0.0140	0.0152	0.0133	0.0133	0.0133	0.0140	0.0140
LIM HI	0.700	0.700	0.700	0.700	0.700	0.700	0.700
LIM LO	0.250	0.250	0.250	0.250	0.250	0.250	0.250
MEAN+3(σ)	0.594	0.597	0.590	0.590	0.590	0.590	0.590
MEAN-3(σ)	0.510	0.505	0.510	0.510	0.510	0.506	0.506



Shutdown Threshold @ Device Starting Up (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.570	0.570	0.570	0.570	0.570	0.570	0.560
SN70	0.560	0.560	0.560	0.560	0.560	0.560	0.560
SN45	0.540	0.540	0.540	0.530	0.530	0.530	0.530
SN46	0.540	0.540	0.540	0.540	0.540	0.540	0.520
SN47	0.550	0.550	0.550	0.550	0.550	0.550	0.550
SN48	0.540	0.540	0.540	0.540	0.540	0.530	0.530
SN50	0.550	0.550	0.550	0.550	0.550	0.550	0.550
MIN	0.540	0.540	0.540	0.530	0.530	0.530	0.520
MAX	0.550	0.550	0.550	0.550	0.550	0.550	0.550
MEAN	0.544	0.544	0.544	0.542	0.542	0.540	0.536
STD DEV. (σ)	5.48E-03	5.48E-03	5.48E-03	8.37E-03	8.37E-03	0.0100	0.0134
LIM HI	0.700	0.700	0.700	0.700	0.700	0.700	0.700
LIM LO	0.250	0.250	0.250	0.250	0.250	0.250	0.250
MEAN+3(σ)	0.560	0.560	0.560	0.567	0.567	0.570	0.576
MEAN-3(σ)	0.528	0.528	0.528	0.517	0.517	0.510	0.496



DATA OUTPUT

Feedback Voltage @ Vin = 5V, Boost = 10V (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN70	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN33	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN35	1.21	1.21	1.21	1.21	1.20	1.21	1.20
SN37	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN38	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN39	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN40	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN41	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN42	1.21	1.21	1.21	1.21	1.21	1.21	1.20
SN43	1.21	1.21	1.21	1.21	1.20	1.20	1.20
SN44	1.21	1.21	1.21	1.21	1.20	1.20	1.20
MIN	1.21	1.21	1.21	1.21	1.20	1.20	1.20
MAX	1.21	1.21	1.21	1.21	1.21	1.21	1.20
MEAN	1.21	1.21	1.21	1.21	1.20	1.20	1.20
STD DEV. (σ)	1.82E-03	1.82E-03	1.81E-03	1.62E-03	1.57E-03	1.49E-03	1.58E-03
LIM HI	1.23	1.23	1.23	1.23	1.23	1.23	1.23
LIM LO	1.19	1.19	1.19	1.19	1.19	1.19	1.19
MEAN+3(σ)	1.22	1.21	1.21	1.21	1.21	1.21	1.20
MEAN-3(σ)	1.20	1.20	1.20	1.20	1.20	1.20	1.193

Feedback Voltage @ Vin = 5V, Boost = 10V (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN70	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN45	1.21	1.21	1.21	1.21	1.21	1.21	1.20
SN46	1.21	1.21	1.21	1.21	1.21	1.21	1.20
SN47	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN48	1.21	1.21	1.21	1.21	1.21	1.21	1.21
SN50	1.21	1.21	1.21	1.21	1.21	1.21	1.21
MIN	1.21	1.21	1.21	1.21	1.21	1.21	1.20
MAX	1.21	1.21	1.21	1.21	1.21	1.21	1.21
MEAN	1.21	1.21	1.21	1.21	1.21	1.21	1.21
STD DEV. (σ)	2.32E-03	2.29E-03	2.31E-03	2.05E-03	2.50E-03	1.92E-03	1.91E-03
LIM HI	1.23	1.23	1.23	1.23	1.23	1.23	1.23
LIM LO	1.19	1.19	1.19	1.19	1.19	1.19	1.19
MEAN+3(σ)	1.22	1.22	1.22	1.22	1.22	1.21	1.21
MEAN-3(σ)	1.20	1.21	1.20	1.21	1.20	1.20	1.20

Reference Voltage Line Regulation @ Vin = 4.3V to 15V (%/V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.76E-03	2.86E-03	2.81E-03	2.80E-03	2.73E-03	2.75E-03	2.60E-03
SN70	2.70E-03	2.66E-03	2.65E-03	2.66E-03	2.62E-03	2.63E-03	2.69E-03
SN33	2.58E-03	3.04E-03	2.79E-03	9.44E-04	9.63E-04	4.73E-04	1.17E-04
SN35	2.41E-03	2.89E-03	2.55E-03	6.87E-04	6.51E-04	8.83E-04	4.83E-04
SN37	2.55E-03	3.25E-03	2.71E-03	8.67E-04	6.29E-04	7.68E-04	1.95E-04
SN38	2.91E-03	3.50E-03	3.10E-03	1.29E-03	1.25E-03	2.64E-04	1.48E-04
SN39	2.48E-03	3.03E-03	2.95E-03	7.05E-04	6.61E-04	8.31E-04	2.89E-04
SN40	2.88E-03	3.40E-03	3.21E-03	1.50E-03	1.20E-03	1.16E-04	4.76E-04
SN41	2.62E-03	3.12E-03	2.62E-03	1.08E-03	7.54E-04	7.99E-04	4.76E-04
SN42	2.89E-03	3.45E-03	2.90E-03	1.10E-03	1.10E-03	3.72E-04	6.23E-05
SN43	2.73E-03	3.18E-03	2.77E-03	9.59E-04	8.63E-04	6.75E-04	7.80E-06
SN44	2.90E-03	3.37E-03	2.92E-03	1.14E-03	1.10E-03	1.78E-04	2.89E-04
MIN	0.002411066	2.89E-03	2.55E-03	6.87E-04	6.29E-04	1.16E-04	7.80E-06
MAX	0.00290662	3.50E-03	3.21E-03	1.50E-03	1.25E-03	8.83E-04	4.83E-04
MEAN	0.002693663	3.22E-03	2.85E-03	1.03E-03	9.16E-04	5.36E-04	2.54E-04
STD DEV. (σ)	0.00019033	2.04E-04	2.03E-04	2.53E-04	2.36E-04	2.90E-04	1.78E-04
LIM HI	0.03	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
LIM LO	-0.03	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300
MEAN+3(σ)	0.003264652	3.84E-03	3.46E-03	1.79E-03	1.62E-03	1.41E-03	7.87E-04
MEAN-3(σ)	0.002122673	2.61E-03	2.24E-03	2.70E-04	2.08E-04	-3.35E-04	-2.79E-04

Reference Voltage Line Regulation @ Vin = 4.3V to 15V (%/V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.76E-03	2.86E-03	2.81E-03	2.80E-03	2.73E-03	2.75E-03	2.60E-03
SN70	2.70E-03	2.66E-03	2.65E-03	2.66E-03	2.62E-03	2.63E-03	2.69E-03
SN45	2.94E-03	1.28E-03	4.41E-04	2.98E-03	4.89E-03	7.28E-03	8.73E-03
SN46	2.61E-03	7.25E-04	8.80E-04	3.74E-03	5.72E-03	8.05E-03	9.71E-03
SN47	2.70E-03	3.62E-04	1.12E-03	3.92E-03	5.89E-03	8.26E-03	0.0101
SN48	2.83E-03	9.86E-04	5.55E-04	4.09E-03	5.24E-03	7.75E-03	9.44E-03
SN50	2.88E-03	1.03E-03	4.32E-04	3.38E-03	4.99E-03	7.39E-03	9.30E-03
MIN	2.61E-03	3.62E-04	4.32E-04	2.98E-03	4.89E-03	7.28E-03	8.73E-03
MAX	2.94E-03	1.28E-03	1.12E-03	4.09E-03	5.89E-03	8.26E-03	0.0101
MEAN	2.80E-03	8.75E-04	6.86E-04	3.62E-03	5.35E-03	7.75E-03	9.45E-03
STD DEV. (σ)	1.34E-04	3.47E-04	3.05E-04	4.45E-04	4.42E-04	4.19E-04	5.04E-04
LIM HI	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
LIM LO	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300	-0.0300
MEAN+3(σ)	3.20E-03	1.92E-03	1.60E-03	4.95E-03	6.67E-03	9.00E-03	0.0110
MEAN-3(σ)	2.39E-03	-1.66E-04	-2.28E-04	2.29E-03	4.02E-03	6.49E-03	7.94E-03

Feedback Input Bias Current (A) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	-7.65E-08	-7.33E-08	-7.33E-08	-7.36E-08	-7.77E-08	-7.31E-08	-7.50E-08
SN70	-7.11E-08	-7.00E-08	-6.99E-08	-6.99E-08	-6.96E-08	-7.03E-08	-7.01E-08
SN33	-7.63E-08	-4.13E-07	-8.14E-07	-1.64E-06	-1.48E-06	-2.16E-06	-1.72E-06
SN35	-7.31E-08	-4.22E-07	-8.26E-07	-1.67E-06	-1.42E-06	-2.16E-06	-1.78E-06
SN37	-7.67E-08	-4.00E-07	-7.89E-07	-1.62E-06	-1.45E-06	-2.14E-06	-1.70E-06
SN38	-8.21E-08	-4.26E-07	-8.42E-07	-1.72E-06	-1.45E-06	-2.24E-06	-1.87E-06
SN39	-8.32E-08	-4.07E-07	-7.00E-07	-1.66E-06	-1.46E-06	-2.21E-06	-1.86E-06
SN40	-6.98E-08	-3.03E-07	-5.88E-07	-1.33E-06	-1.21E-06	-1.91E-06	-1.79E-06
SN41	-8.00E-08	-3.92E-07	-7.87E-07	-1.64E-06	-1.40E-06	-2.10E-06	-1.76E-06
SN42	-7.23E-08	-3.87E-07	-7.68E-07	-1.60E-06	-1.36E-06	-2.14E-06	-1.79E-06
SN43	-7.99E-08	-3.97E-07	-8.09E-07	-1.69E-06	-1.51E-06	-2.27E-06	-1.88E-06
SN44	-6.97E-08	-3.83E-07	-7.70E-07	-1.60E-06	-1.43E-06	-2.15E-06	-1.78E-06
MIN	-8.32E-08	-4.26E-07	-8.42E-07	-1.72E-06	-1.51E-06	-2.27E-06	-1.88E-06
MAX	-6.97E-08	-3.03E-07	-5.88E-07	-1.33E-06	-1.21E-06	-1.91E-06	-1.70E-06
MEAN	-7.63E-08	-3.93E-07	-7.69E-07	-1.62E-06	-1.42E-06	-2.15E-06	-1.79E-06
STD DEV. (σ)	4.96E-09	3.45E-08	7.50E-08	1.07E-07	8.31E-08	9.88E-08	6.07E-08
LIM HI	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06
LIM LO	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06
MEAN+3(σ)	-6.14E-08	-2.89E-07	-5.44E-07	-1.30E-06	-1.17E-06	-1.85E-06	-1.61E-06
MEAN-3(σ)	-9.12E-08	-4.97E-07	-9.94E-07	-1.94E-06	-1.67E-06	-2.44E-06	-1.98E-06

Feedback Input Bias Current (A) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	-7.65E-08	-7.33E-08	-7.33E-08	-7.36E-08	-7.77E-08	-7.31E-08	-7.50E-08
SN70	-7.11E-08	-7.00E-08	-6.99E-08	-6.99E-08	-6.96E-08	-7.03E-08	-7.01E-08
SN45	-6.64E-08	-2.81E-07	-5.66E-07	-1.29E-06	-1.17E-06	-1.84E-06	-1.67E-06
SN46	-7.17E-08	-2.96E-07	-5.95E-07	-1.32E-06	-1.29E-06	-1.87E-06	-1.60E-06
SN47	-7.15E-08	-3.29E-07	-6.54E-07	-1.38E-06	-1.34E-06	-1.92E-06	-1.73E-06
SN48	-7.43E-08	-3.27E-07	-6.52E-07	-1.22E-06	-1.33E-06	-1.95E-06	-1.77E-06
SN50	-7.24E-08	-2.92E-07	-5.81E-07	-1.15E-06	-1.25E-06	-1.89E-06	-1.72E-06
MIN	-7.43E-08	-3.29E-07	-6.54E-07	-1.38E-06	-1.34E-06	-1.95E-06	-1.77E-06
MAX	-6.64E-08	-2.81E-07	-5.66E-07	-1.15E-06	-1.17E-06	-1.84E-06	-1.60E-06
MEAN	-7.13E-08	-3.05E-07	-6.09E-07	-1.27E-06	-1.28E-06	-1.90E-06	-1.70E-06
STD DEV. (σ)	2.92E-09	2.18E-08	4.09E-08	8.88E-08	6.77E-08	4.42E-08	6.28E-08
LIM HI	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06	5.00E-06
LIM LO	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06	-5.00E-06
MEAN+3(σ)	-6.25E-08	-2.40E-07	-4.86E-07	-1.01E-06	-1.07E-06	-1.76E-06	-1.51E-06
MEAN-3(σ)	-8.00E-08	-3.71E-07	-7.32E-07	-1.54E-06	-1.48E-06	-2.03E-06	-1.89E-06

Error Amplifier Voltage Gain (V/V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	546	538	548	536	532	532	531
SN70	606	609	608	594	587	597	588
SN33	560	552	535	513	495	479	454
SN35	562	539	532	518	490	481	451
SN37	581	569	564	548	506	494	476
SN38	602	594	567	547	526	499	477
SN39	598	517	559	544	520	495	473
SN40	606	579	553	531	479	501	485
SN41	589	585	567	543	519	496	475
SN42	573	568	550	532	521	490	462
SN43	590	609	570	547	527	506	485
SN44	589	569	562	529	508	486	466
MIN	560	517	532	513	479	479	451
MAX	606	609	570	548	527	506	485
MEAN	585	568	556	535	509	493	470
STD DEV. (σ)	15.8	27.0	13.5	12.5	16.5	8.67	11.9
LIM LO	200	200	200	200	200	200	200
MEAN+3(σ)	633	649	596	573	559	519	506
MEAN-3(σ)	538	487	515	498	459	467	435

Error Amplifier Voltage Gain (V/V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	546	538	548	536	532	532	531
SN70	606	609	608	594	587	597	588
SN45	591	578	557	538	481	456	419
SN46	588	566	548	519	475	437	409
SN47	558	542	500	498	462	433	408
SN48	592	574	542	511	473	442	411
SN50	605	592	563	532	500	472	439
MIN	558	542	500	498	462	433	408
MAX	605	592	563	538	500	472	439
MEAN	587	570	542	519	478	448	417
STD DEV. (σ)	17.4	18.7	24.7	16.2	14.0	16.1	13.0
LIM LO	200	200	200	200	200	200	200
MEAN+3(σ)	639	626	616	568	520	496	456
MEAN-3(σ)	534	514	468	471	436	400	378

Error Amplifier Transconductance @ ΔI(Vc) = ± 10uA (uMho) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	1930	1940	1930	1930	1920	1920	1930
SN70	1890	1890	1890	1890	1870	1890	1880
SN33	1990	1830	1870	1860	2030	1960	1800
SN35	1940	1900	1810	1780	1980	1920	1790
SN37	1830	1840	1830	1770	1950	1880	1710
SN38	1870	1890	1900	1950	1820	1890	1710
SN39	1870	1810	1990	1940	1750	1870	1680
SN40	1880	1890	1880	1890	1960	1890	1720
SN41	1880	1860	1820	1960	1960	1900	1730
SN42	1940	1900	1780	1760	1960	1920	1770
SN43	1820	1850	1850	1800	1970	1890	1730
SN44	1820	1860	1850	1820	1970	1890	1730
MIN	1820	1810	1780	1760	1750	1870	1680
MAX	1990	1900	1990	1960	2030	1960	1800
MEAN	1880	1860	1860	1850	1930	1900	1740
STD DEV. (σ)	56.6	32.5	56.3	78.4	84.4	27.7	38.7
LIM HI	2700	2700	2700	2700	2700	2700	2700
LIM LO	1500	1500	1500	1500	1500	1500	1500
MEAN+3(σ)	2050	1960	2030	2090	2190	1980	1850
MEAN-3(σ)	1710	1770	1690	1620	1680	1820	1620

Error Amplifier Transconductance @ ΔI(Vc) = ± 10uA (uMho) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	1930	1940	1930	1930	1920	1920	1930
SN70	1890	1890	1890	1890	1870	1890	1880
SN45	1930	1900	1870	1770	1940	1890	1870
SN46	1940	1810	1820	1770	1750	1880	1860
SN47	1960	1920	1880	1810	1740	1750	1970
SN48	1930	1900	1850	1750	1740	1740	1830
SN50	1920	1870	1750	1750	1740	1720	1820
MIN	1920	1810	1750	1750	1740	1720	1820
MAX	1960	1920	1880	1810	1940	1890	1970
MEAN	1940	1880	1830	1770	1780	1800	1870
STD DEV. (σ)	12.4	42.4	49.8	24.9	88.1	82.0	59.8
LIM HI	2700	2700	2700	2700	2700	2700	2700
LIM LO	1500	1500	1500	1500	1500	1500	1500
MEAN+3(σ)	1970	2010	1980	1840	2050	2040	2050
MEAN-3(σ)	1900	1750	1680	1700	1520	1550	1690

Error Amplifier Source Current @ Vfb = 1.05V (A) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.07E-04	2.08E-04	2.07E-04	2.07E-04	2.06E-04	2.07E-04	2.06E-04
SN70	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04
SN33	2.08E-04	2.02E-04	1.99E-04	1.94E-04	1.91E-04	1.88E-04	1.84E-04
SN35	2.07E-04	2.01E-04	1.98E-04	1.94E-04	1.91E-04	1.87E-04	1.84E-04
SN37	2.02E-04	1.96E-04	1.94E-04	1.89E-04	1.86E-04	1.82E-04	1.78E-04
SN38	2.03E-04	1.97E-04	1.94E-04	1.90E-04	1.86E-04	1.83E-04	1.79E-04
SN39	2.02E-04	1.96E-04	1.92E-04	1.89E-04	1.85E-04	1.82E-04	1.78E-04
SN40	2.04E-04	1.99E-04	1.96E-04	1.92E-04	1.89E-04	1.85E-04	1.81E-04
SN41	2.04E-04	1.98E-04	1.95E-04	1.91E-04	1.87E-04	1.85E-04	1.80E-04
SN42	2.06E-04	2.00E-04	1.97E-04	1.93E-04	1.90E-04	1.86E-04	1.82E-04
SN43	2.03E-04	1.98E-04	1.94E-04	1.90E-04	1.87E-04	1.84E-04	1.79E-04
SN44	2.05E-04	1.99E-04	1.96E-04	1.91E-04	1.89E-04	1.85E-04	1.81E-04
MIN	2.02E-04	1.96E-04	1.92E-04	1.89E-04	1.85E-04	1.82E-04	1.78E-04
MAX	2.08E-04	2.02E-04	1.99E-04	1.94E-04	1.91E-04	1.88E-04	1.84E-04
MEAN	2.05E-04	1.99E-04	1.96E-04	1.91E-04	1.88E-04	1.85E-04	1.81E-04
STD DEV. (σ)	2.02E-06	1.97E-06	2.06E-06	1.90E-06	2.06E-06	2.04E-06	2.10E-06
LIM HI	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
LIM LO	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04
MEAN+3(σ)	2.11E-04	2.05E-04	2.02E-04	1.97E-04	1.94E-04	1.91E-04	1.87E-04
MEAN-3(σ)	1.98E-04	1.93E-04	1.89E-04	1.85E-04	1.82E-04	1.79E-04	1.74E-04

Error Amplifier Source Current @ Vfb = 1.05V (A) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.07E-04	2.08E-04	2.07E-04	2.07E-04	2.06E-04	2.07E-04	2.06E-04
SN70	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04
SN45	2.06E-04	2.01E-04	1.98E-04	1.93E-04	1.92E-04	1.87E-04	1.85E-04
SN46	2.06E-04	2.02E-04	1.99E-04	1.94E-04	1.92E-04	1.88E-04	1.85E-04
SN47	2.07E-04	2.03E-04	2.00E-04	1.95E-04	1.93E-04	1.89E-04	1.87E-04
SN48	2.06E-04	2.02E-04	1.99E-04	1.94E-04	1.92E-04	1.88E-04	1.85E-04
SN50	2.03E-04	1.99E-04	1.96E-04	1.92E-04	1.90E-04	1.86E-04	1.84E-04
MIN	2.03E-04	1.99E-04	1.96E-04	1.92E-04	1.90E-04	1.86E-04	1.84E-04
MAX	2.07E-04	2.03E-04	2.00E-04	1.95E-04	1.93E-04	1.89E-04	1.87E-04
MEAN	2.06E-04	2.01E-04	1.98E-04	1.94E-04	1.92E-04	1.88E-04	1.85E-04
STD DEV. (σ)	1.45E-06	1.30E-06	1.25E-06	1.08E-06	1.05E-06	1.09E-06	1.14E-06
LIM HI	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
LIM LO	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04
MEAN+3(σ)	2.10E-04	2.05E-04	2.02E-04	1.97E-04	1.95E-04	1.91E-04	1.89E-04
MEAN-3(σ)	2.01E-04	1.97E-04	1.95E-04	1.90E-04	1.89E-04	1.84E-04	1.82E-04

Error Amplifier Sink Current @ Vfb = 1.35V (A) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.19E-04	2.20E-04	2.20E-04	2.19E-04	2.19E-04	2.19E-04	2.19E-04
SN70	2.15E-04	2.16E-04	2.15E-04	2.15E-04	2.15E-04	2.15E-04	2.15E-04
SN33	2.27E-04	2.22E-04	2.20E-04	2.16E-04	2.17E-04	2.13E-04	2.15E-04
SN35	2.18E-04	2.12E-04	2.10E-04	2.07E-04	2.09E-04	2.04E-04	2.07E-04
SN37	2.14E-04	2.10E-04	2.08E-04	2.04E-04	2.06E-04	2.01E-04	2.03E-04
SN38	2.17E-04	2.12E-04	2.10E-04	2.05E-04	2.07E-04	2.02E-04	2.05E-04
SN39	2.15E-04	2.10E-04	2.07E-04	2.04E-04	2.06E-04	2.01E-04	2.03E-04
SN40	2.17E-04	2.12E-04	2.10E-04	2.06E-04	2.08E-04	2.02E-04	2.05E-04
SN41	2.18E-04	2.13E-04	2.10E-04	2.07E-04	2.08E-04	2.03E-04	2.05E-04
SN42	2.17E-04	2.12E-04	2.09E-04	2.06E-04	2.08E-04	2.03E-04	2.06E-04
SN43	2.17E-04	2.12E-04	2.10E-04	2.06E-04	2.08E-04	2.03E-04	2.06E-04
SN44	2.16E-04	2.11E-04	2.08E-04	2.04E-04	2.07E-04	2.02E-04	2.04E-04
MIN	2.14E-04	2.10E-04	2.07E-04	2.04E-04	2.06E-04	2.01E-04	2.03E-04
MAX	2.27E-04	2.22E-04	2.20E-04	2.16E-04	2.17E-04	2.13E-04	2.15E-04
MEAN	2.17E-04	2.13E-04	2.10E-04	2.06E-04	2.08E-04	2.03E-04	2.06E-04
STD DEV. (σ)	3.38E-06	3.32E-06	3.41E-06	3.37E-06	3.34E-06	3.45E-06	3.40E-06
LIM HI	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
LIM LO	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04
MEAN+3(σ)	2.28E-04	2.23E-04	2.20E-04	2.17E-04	2.18E-04	2.14E-04	2.16E-04
MEAN-3(σ)	2.07E-04	2.03E-04	2.00E-04	1.96E-04	1.98E-04	1.93E-04	1.96E-04

Error Amplifier Sink Current @ Vfb = 1.35V (A) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.19E-04	2.20E-04	2.20E-04	2.19E-04	2.19E-04	2.19E-04	2.19E-04
SN70	2.15E-04	2.16E-04	2.15E-04	2.15E-04	2.15E-04	2.15E-04	2.15E-04
SN45	2.21E-04	2.15E-04	2.12E-04	2.07E-04	2.06E-04	2.02E-04	2.01E-04
SN46	2.17E-04	2.12E-04	2.09E-04	2.04E-04	2.03E-04	2.00E-04	1.99E-04
SN47	2.18E-04	2.13E-04	2.10E-04	2.05E-04	2.04E-04	2.01E-04	2.01E-04
SN48	2.16E-04	2.11E-04	2.08E-04	2.03E-04	2.02E-04	1.99E-04	1.98E-04
SN50	2.14E-04	2.09E-04	2.06E-04	2.02E-04	2.00E-04	1.97E-04	1.96E-04
MIN	2.14E-04	2.09E-04	2.06E-04	2.02E-04	2.00E-04	1.97E-04	1.96E-04
MAX	2.21E-04	2.15E-04	2.12E-04	2.07E-04	2.06E-04	2.02E-04	2.01E-04
MEAN	2.17E-04	2.12E-04	2.09E-04	2.04E-04	2.03E-04	2.00E-04	1.99E-04
STD DEV. (σ)	2.46E-06	2.37E-06	2.11E-06	1.81E-06	2.06E-06	2.13E-06	1.98E-06
LIM HI	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04
LIM LO	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04	1.40E-04
MEAN+3(σ)	2.25E-04	2.19E-04	2.15E-04	2.09E-04	2.09E-04	2.06E-04	2.05E-04
MEAN-3(σ)	2.10E-04	2.05E-04	2.03E-04	1.98E-04	1.97E-04	1.93E-04	1.93E-04

Vc Pin Switching Threshold (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.900	0.900	0.900	0.910	0.910	0.910	0.900
SN70	0.930	0.930	0.930	0.930	0.930	0.920	0.930
SN33	0.930	0.930	0.930	0.920	0.930	0.930	0.930
SN35	0.900	0.910	0.910	0.920	0.930	0.910	0.930
SN37	0.930	0.930	0.930	0.930	0.930	0.930	0.930
SN38	0.930	0.930	0.920	0.930	0.930	0.930	0.930
SN39	0.910	0.910	0.910	0.910	0.930	0.920	0.930
SN40	0.920	0.930	0.930	0.930	0.920	0.930	0.930
SN41	0.930	0.930	0.930	0.930	0.930	0.930	0.930
SN42	0.910	0.910	0.910	0.910	0.910	0.920	0.930
SN43	0.930	0.930	0.930	0.930	0.930	0.930	0.920
SN44	0.920	0.920	0.930	0.930	0.920	0.920	0.930
MIN	0.900	0.910	0.910	0.910	0.910	0.910	0.920
MAX	0.930	0.930	0.930	0.930	0.930	0.930	0.930
MEAN	0.921	0.923	0.923	0.924	0.926	0.925	0.929
STD DEV. (σ)	0.0110	9.49E-03	9.49E-03	8.43E-03	6.99E-03	7.07E-03	3.16E-03
LIM HI	1.04	1.04	1.04	1.04	1.04	1.04	1.04
LIM LO	0.720	0.720	0.720	0.720	0.720	0.720	0.720
MEAN+3(σ)	0.954	0.951	0.951	0.949	0.947	0.946	0.938
MEAN-3(σ)	0.888	0.895	0.895	0.899	0.905	0.904	0.920

Vc Pin Switching Threshold (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.900	0.900	0.900	0.910	0.910	0.910	0.900
SN70	0.930	0.930	0.930	0.930	0.930	0.920	0.930
SN45	0.920	0.920	0.920	0.920	0.930	0.940	0.940
SN46	0.920	0.940	0.940	0.940	0.940	0.940	0.940
SN47	0.930	0.930	0.930	0.930	0.930	0.930	0.920
SN48	0.930	0.930	0.930	0.930	0.930	0.930	0.930
SN50	0.930	0.930	0.930	0.930	0.930	0.930	0.930
MIN	0.920	0.920	0.920	0.920	0.930	0.930	0.920
MAX	0.930	0.940	0.940	0.940	0.940	0.940	0.940
MEAN	0.926	0.930	0.930	0.930	0.932	0.934	0.932
STD DEV. (σ)	5.48E-03	7.07E-03	7.07E-03	7.07E-03	4.47E-03	5.48E-03	8.37E-03
LIM HI	1.04	1.04	1.04	1.04	1.04	1.04	1.04
LIM LO	0.720	0.720	0.720	0.720	0.720	0.720	0.720
MEAN+3(σ)	0.942	0.951	0.951	0.951	0.945	0.950	0.957
MEAN-3(σ)	0.910	0.909	0.909	0.909	0.919	0.918	0.907

Maximum Switch Duty Cycle @ Vfb = 1.05V @ Vin = 5V, Boost = 8V (%) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	91.6	91.6	91.6	91.5	91.5	91.6	91.5
SN70	91.4	91.3	91.3	91.3	91.3	91.3	91.3
SN33	91.8	91.8	91.9	92.0	91.9	92.0	91.9
SN35	91.6	91.8	91.8	91.9	91.8	91.9	91.9
SN37	91.2	91.3	91.4	91.4	91.4	91.4	91.3
SN38	91.1	91.2	91.3	91.4	91.3	91.3	91.3
SN39	91.1	91.2	91.2	91.3	91.3	91.4	91.3
SN40	91.0	91.1	91.1	91.2	91.2	91.2	91.2
SN41	91.0	91.1	91.1	91.3	91.1	91.3	91.2
SN42	91.2	91.2	91.3	91.4	91.4	91.5	91.4
SN43	91.3	91.4	91.4	91.5	91.5	91.5	91.4
SN44	91.2	91.3	91.3	91.4	91.4	91.4	91.4
MIN	91.0	91.1	91.1	91.2	91.1	91.2	91.2
MAX	91.8	91.8	91.9	92.0	91.9	92.0	91.9
MEAN	91.2	91.3	91.4	91.5	91.4	91.5	91.4
STD DEV. (σ)	0.258	0.257	0.266	0.259	0.254	0.264	0.275
LIM LO	90.0	90.0	90.0	90.0	90.0	90.0	90.0
MEAN+3(σ)	92.0	92.1	92.2	92.3	92.2	92.3	92.3
MEAN-3(σ)	90.5	90.6	90.6	90.7	90.7	90.7	90.6

Maximum Switch Duty Cycle @ Vfb = 1.05V @ Vin = 5V, Boost = 8V (%) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	91.6	91.6	91.6	91.5	91.5	91.6	91.5
SN70	91.4	91.3	91.3	91.3	91.3	91.3	91.3
SN45	91.2	91.3	91.4	91.5	91.6	91.7	91.6
SN46	91.4	91.5	91.5	91.7	91.7	91.8	91.8
SN47	91.5	91.6	91.7	91.9	91.9	92.1	92.0
SN48	91.3	91.3	91.5	91.5	91.6	91.7	91.7
SN50	91.2	91.3	91.4	91.5	91.5	91.6	91.6
MIN	91.2	91.3	91.4	91.5	91.5	91.6	91.6
MAX	91.5	91.6	91.7	91.9	91.9	92.1	92.0
MEAN	91.3	91.4	91.5	91.6	91.7	91.8	91.8
STD DEV. (σ)	0.0969	0.117	0.113	0.177	0.164	0.188	0.179
LIM LO	90.0	90.0	90.0	90.0	90.0	90.0	90.0
MEAN+3(σ)	91.6	91.7	91.8	92.2	92.2	92.3	92.3
MEAN-3(σ)	91.0	91.0	91.1	91.1	91.2	91.2	91.2

Switch Frequency @ Vin = 5V, Boost = 8V (Hz) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	5.11E+05	5.10E+05	5.11E+05	5.11E+05	5.10E+05	5.11E+05	5.10E+05
SN70	5.00E+05	5.01E+05	5.00E+05	5.01E+05	5.01E+05	5.00E+05	5.00E+05
SN33	4.95E+05	4.81E+05	4.74E+05	4.63E+05	4.62E+05	4.51E+05	4.50E+05
SN35	4.98E+05	4.84E+05	4.76E+05	4.66E+05	4.65E+05	4.54E+05	4.52E+05
SN37	5.01E+05	4.86E+05	4.80E+05	4.69E+05	4.68E+05	4.57E+05	4.56E+05
SN38	4.94E+05	4.80E+05	4.74E+05	4.63E+05	4.61E+05	4.51E+05	4.50E+05
SN39	5.06E+05	4.91E+05	4.85E+05	4.74E+05	4.73E+05	4.62E+05	4.61E+05
SN40	5.08E+05	4.94E+05	4.88E+05	4.78E+05	4.76E+05	4.66E+05	4.64E+05
SN41	5.08E+05	4.94E+05	4.87E+05	4.77E+05	4.76E+05	4.66E+05	4.64E+05
SN42	5.09E+05	4.94E+05	4.87E+05	4.77E+05	4.75E+05	4.65E+05	4.63E+05
SN43	4.96E+05	4.82E+05	4.76E+05	4.65E+05	4.65E+05	4.54E+05	4.52E+05
SN44	5.06E+05	4.91E+05	4.85E+05	4.74E+05	4.73E+05	4.62E+05	4.61E+05
MIN	4.94E+05	4.80E+05	4.74E+05	4.63E+05	4.61E+05	4.51E+05	4.50E+05
MAX	5.09E+05	4.94E+05	4.88E+05	4.78E+05	4.76E+05	4.66E+05	4.64E+05
MEAN	5.02E+05	4.88E+05	4.81E+05	4.71E+05	4.70E+05	4.59E+05	4.57E+05
STD DEV. (σ)	6000	5790	5920	6100	5970	5990	6000
LIM HI	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05
LIM LO	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05
MEAN+3(σ)	5.20E+05	5.05E+05	4.99E+05	4.89E+05	4.87E+05	4.77E+05	4.75E+05
MEAN-3(σ)	4.84E+05	4.70E+05	4.63E+05	4.52E+05	4.52E+05	4.41E+05	4.39E+05

Switch Frequency @ Vin = 5V, Boost = 8V (Hz) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	5.11E+05	5.10E+05	5.11E+05	5.11E+05	5.10E+05	5.11E+05	5.10E+05
SN70	5.00E+05	5.01E+05	5.00E+05	5.01E+05	5.01E+05	5.00E+05	5.00E+05
SN45	4.99E+05	4.85E+05	4.75E+05	4.59E+05	4.54E+05	4.39E+05	4.33E+05
SN46	4.96E+05	4.81E+05	4.71E+05	4.55E+05	4.48E+05	4.35E+05	4.29E+05
SN47	5.08E+05	4.92E+05	4.83E+05	4.66E+05	4.60E+05	4.45E+05	4.38E+05
SN48	4.97E+05	4.82E+05	4.72E+05	4.56E+05	4.50E+05	4.36E+05	4.30E+05
SN50	4.95E+05	4.82E+05	4.73E+05	4.58E+05	4.51E+05	4.38E+05	4.32E+05
MIN	4.95E+05	4.81E+05	4.71E+05	4.55E+05	4.48E+05	4.35E+05	4.29E+05
MAX	5.08E+05	4.92E+05	4.83E+05	4.66E+05	4.60E+05	4.45E+05	4.38E+05
MEAN	4.99E+05	4.84E+05	4.75E+05	4.59E+05	4.53E+05	4.39E+05	4.32E+05
STD DEV. (σ)	5320	4800	4700	4430	4410	4090	3800
LIM HI	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05	5.40E+05
LIM LO	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05	4.25E+05
MEAN+3(σ)	5.15E+05	4.99E+05	4.89E+05	4.72E+05	4.66E+05	4.51E+05	4.44E+05
MEAN-3(σ)	4.83E+05	4.70E+05	4.61E+05	4.46E+05	4.40E+05	4.26E+05	4.21E+05

Switch Frequency Line Regulation @ Vin = 4.3V to 15V (%/V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.69E-04	9.05E-03	4.88E-03	0.0257	0.0288	0.0309	0.0217
SN70	0.0849	0.0142	0.0132	0.0592	0.0459	0.0159	3.96E-04
SN33	0.0205	0.0212	0.0138	0.0723	0.0190	0.0260	0.0284
SN35	0.0549	0.0854	0.0963	1.81E-04	0.0560	0.0287	0.0273
SN37	0.0241	0.0388	0.0603	0.0328	0.0499	0.0308	0.0221
SN38	0.0911	0.0146	0.0107	0.0215	0.0359	0.0321	0.0288
SN39	0.0213	0.0171	0.0504	0.0217	0.0996	0.0231	0.0396
SN40	0.0216	0.0234	0.0295	0.0181	4.97E-03	0.0185	0.0213
SN41	0.0228	0.0487	0.0516	0.0187	0.0792	0.0387	0.0287
SN42	0.0179	0.0670	8.98E-03	0.0772	0.0321	0.0216	0.0744
SN43	0.0705	3.25E-03	0.0269	0.0573	0.0561	0.0309	0.0274
SN44	0.0204	8.75E-03	0.0266	0.0338	0.0197	0.0221	0.0223
MIN	0.0179	3.25E-03	8.98E-03	1.81E-04	4.97E-03	0.0185	0.0213
MAX	0.0911	0.0854	0.0963	0.0772	0.0996	0.0387	0.0744
MEAN	0.0365	0.0328	0.0375	0.0354	0.0453	0.0272	0.0320
STD DEV. (σ)	0.0261	0.0268	0.0274	0.0254	0.0290	6.10E-03	0.0158
LIM HI	0.175	0.175	0.175	0.175	0.175	0.175	0.175
LIM LO	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
MEAN+3(σ)	0.115	0.113	0.120	0.112	0.132	0.0455	0.0793
MEAN-3(σ)	-0.0418	-0.0477	-0.0446	-0.0408	-0.0418	8.93E-03	-0.0153

Switch Frequency Line Regulation @ Vin = 4.3V to 15V (%/V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.69E-04	9.05E-03	4.88E-03	0.0257	0.0288	0.0309	0.0217
SN70	0.0849	0.0142	0.0132	0.0592	0.0459	0.0159	3.96E-04
SN45	0.0314	0.0317	2.62E-03	0.0436	0.0299	0.0326	0.0364
SN46	0.0214	5.26E-03	0.0745	0.0269	0.0314	0.0285	0.0344
SN47	0.0932	0.0403	0.0849	0.120	0.0273	0.0339	0.0381
SN48	0.0314	0.0104	0.0261	0.0297	0.0342	0.0335	0.0303
SN50	0.0318	0.0602	0.0742	0.0449	0.0353	0.0374	0.0354
MIN	0.0214	5.26E-03	2.62E-03	0.0269	0.0273	0.0285	0.0303
MAX	0.0932	0.0602	0.0849	0.120	0.0353	0.0374	0.0381
MEAN	0.0418	0.0296	0.0525	0.0530	0.0316	0.0332	0.0349
STD DEV. (σ)	0.0290	0.0225	0.0360	0.0383	3.22E-03	3.21E-03	2.92E-03
LIM HI	0.175	0.175	0.175	0.175	0.175	0.175	0.175
LIM LO	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
MEAN+3(σ)	0.129	0.0969	0.161	0.168	0.0413	0.0428	0.0437
MEAN-3(σ)	-0.0453	-0.0378	-0.0556	-0.0617	0.0219	0.0236	0.0262

Frequency Shifting Threshold on FB Pin @ Δf = 10kHz (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.680	0.690	0.680	0.680	0.660	0.690	0.680
SN70	0.670	0.690	0.660	0.680	0.660	0.660	0.660
SN33	0.670	0.670	0.690	0.700	0.660	0.690	0.660
SN35	0.670	0.690	0.690	0.710	0.680	0.690	0.660
SN37	0.670	0.660	0.660	0.690	0.660	0.680	0.670
SN38	0.670	0.660	0.660	0.690	0.660	0.690	0.650
SN39	0.670	0.660	0.660	0.690	0.660	0.690	0.640
SN40	0.670	0.660	0.660	0.680	0.680	0.670	0.670
SN41	0.670	0.660	0.660	0.690	0.660	0.690	0.670
SN42	0.670	0.680	0.680	0.690	0.660	0.680	0.660
SN43	0.680	0.660	0.680	0.690	0.660	0.690	0.670
SN44	0.670	0.680	0.680	0.690	0.660	0.680	0.660
MIN	0.670	0.660	0.660	0.680	0.660	0.670	0.640
MAX	0.680	0.690	0.690	0.710	0.680	0.690	0.670
MEAN	0.671	0.668	0.672	0.692	0.664	0.685	0.661
STD DEV. (σ)	3.16E-03	0.0114	0.0132	7.89E-03	8.43E-03	7.07E-03	9.94E-03
LIM HI	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LIM LO	0.500	0.500	0.500	0.500	0.500	0.500	0.500
MEAN+3(σ)	0.680	0.702	0.711	0.716	0.689	0.706	0.691
MEAN-3(σ)	0.662	0.634	0.633	0.668	0.639	0.664	0.631

Frequency Shifting Threshold on FB Pin @ Δf = 10kHz (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.680	0.690	0.680	0.680	0.660	0.690	0.680
SN70	0.670	0.690	0.660	0.680	0.660	0.660	0.660
SN45	0.670	0.660	0.660	0.660	0.660	0.660	0.670
SN46	0.680	0.660	0.660	0.660	0.660	0.650	0.650
SN47	0.670	0.690	0.680	0.690	0.660	0.680	0.670
SN48	0.670	0.660	0.660	0.680	0.680	0.660	0.640
SN50	0.670	0.660	0.690	0.660	0.650	0.650	0.640
MIN	0.670	0.660	0.660	0.660	0.650	0.650	0.640
MAX	0.680	0.690	0.690	0.690	0.680	0.680	0.670
MEAN	0.672	0.666	0.670	0.670	0.662	0.660	0.654
STD DEV. (σ)	4.47E-03	0.0134	0.0141	0.0141	0.0110	0.0122	0.0152
LIM HI	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LIM LO	0.500	0.500	0.500	0.500	0.500	0.500	0.500
MEAN+3(σ)	0.685	0.706	0.712	0.712	0.695	0.697	0.699
MEAN-3(σ)	0.659	0.626	0.628	0.628	0.629	0.623	0.609

Minimum Input Voltage (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.85	3.83	3.86	3.86	3.84	3.85	3.85
SN70	3.89	3.86	3.85	3.84	3.84	3.86	3.86
SN33	3.86	3.83	3.82	3.80	3.78	3.77	3.75
SN35	3.84	3.83	3.82	3.80	3.78	3.76	3.78
SN37	3.89	3.83	3.80	3.80	3.79	3.75	3.76
SN38	3.85	3.84	3.80	3.79	3.77	3.77	3.76
SN39	3.83	3.82	3.80	3.81	3.78	3.78	3.76
SN40	3.83	3.83	3.80	3.78	3.79	3.77	3.76
SN41	3.85	3.82	3.82	3.81	3.77	3.74	3.75
SN42	3.85	3.83	3.83	3.81	3.80	3.80	3.77
SN43	3.85	3.82	3.81	3.81	3.77	3.75	3.75
SN44	3.85	3.84	3.83	3.81	3.81	3.78	3.76
MIN	3.83	3.82	3.80	3.78	3.77	3.74	3.75
MAX	3.89	3.84	3.83	3.81	3.81	3.80	3.78
MEAN	3.85	3.83	3.81	3.80	3.78	3.77	3.76
STD DEV. (σ)	0.0170	7.38E-03	0.0125	0.0103	0.0135	0.0177	9.43E-03
LIM HI	4.30	4.30	4.30	4.30	4.30	4.30	4.30
MEAN+3(σ)	3.90	3.85	3.85	3.83	3.82	3.82	3.79
MEAN-3(σ)	3.80	3.81	3.78	3.77	3.74	3.71	3.73

Minimum Input Voltage (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.85	3.83	3.86	3.86	3.84	3.85	3.85
SN70	3.89	3.86	3.85	3.84	3.84	3.86	3.86
SN45	3.85	3.82	3.80	3.77	3.78	3.76	3.72
SN46	3.88	3.83	3.83	3.79	3.77	3.73	3.74
SN47	3.85	3.85	3.83	3.79	3.81	3.77	3.73
SN48	3.85	3.83	3.83	3.79	3.79	3.73	3.73
SN50	3.85	3.83	3.84	3.78	3.78	3.76	3.75
MIN	3.85	3.82	3.80	3.77	3.77	3.73	3.72
MAX	3.88	3.85	3.84	3.79	3.81	3.77	3.75
MEAN	3.86	3.83	3.83	3.78	3.79	3.75	3.73
STD DEV. (σ)	0.0134	0.0110	0.0152	8.94E-03	0.0152	0.0187	0.0114
LIM HI	4.30	4.30	4.30	4.30	4.30	4.30	4.30
MEAN+3(σ)	3.90	3.86	3.87	3.81	3.83	3.81	3.77
MEAN-3(σ)	3.82	3.80	3.78	3.76	3.74	3.69	3.70

Input Supply Current (A) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	4.83E-03	4.79E-03	4.84E-03	4.84E-03	4.82E-03	4.78E-03	4.83E-03
SN70	5.00E-03	4.96E-03	4.99E-03	4.96E-03	4.99E-03	4.99E-03	4.99E-03
SN33	5.01E-03	4.87E-03	4.75E-03	4.62E-03	4.58E-03	4.48E-03	4.48E-03
SN35	4.81E-03	4.60E-03	4.51E-03	4.37E-03	4.36E-03	4.24E-03	4.27E-03
SN37	4.77E-03	4.60E-03	4.50E-03	4.32E-03	4.34E-03	4.17E-03	4.17E-03
SN38	4.77E-03	4.60E-03	4.51E-03	4.31E-03	4.35E-03	4.17E-03	4.21E-03
SN39	4.76E-03	4.60E-03	4.50E-03	4.31E-03	4.34E-03	4.18E-03	4.21E-03
SN40	4.80E-03	4.63E-03	4.53E-03	4.33E-03	4.32E-03	4.18E-03	4.18E-03
SN41	4.82E-03	4.65E-03	4.56E-03	4.37E-03	4.41E-03	4.23E-03	4.23E-03
SN42	4.83E-03	4.62E-03	4.52E-03	4.39E-03	4.42E-03	4.25E-03	4.25E-03
SN43	4.74E-03	4.61E-03	4.47E-03	4.34E-03	4.37E-03	4.20E-03	4.19E-03
SN44	4.82E-03	4.61E-03	4.51E-03	4.37E-03	4.41E-03	4.24E-03	4.23E-03
MIN	4.74E-03	4.60E-03	4.47E-03	4.31E-03	4.32E-03	4.17E-03	4.17E-03
MAX	5.01E-03	4.87E-03	4.75E-03	4.62E-03	4.58E-03	4.48E-03	4.48E-03
MEAN	4.81E-03	4.64E-03	4.54E-03	4.37E-03	4.39E-03	4.24E-03	4.24E-03
STD DEV. (σ)	7.41E-05	8.29E-05	7.83E-05	9.11E-05	7.42E-05	9.22E-05	8.88E-05
LIM HI	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03
MEAN+3(σ)	5.04E-03	4.89E-03	4.77E-03	4.65E-03	4.61E-03	4.51E-03	4.51E-03
MEAN-3(σ)	4.59E-03	4.39E-03	4.30E-03	4.10E-03	4.17E-03	3.96E-03	3.98E-03

Input Supply Current (A) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	4.83E-03	4.79E-03	4.84E-03	4.84E-03	4.82E-03	4.78E-03	4.83E-03
SN70	5.00E-03	4.96E-03	4.99E-03	4.96E-03	4.99E-03	4.99E-03	4.99E-03
SN45	4.81E-03	4.66E-03	4.56E-03	4.40E-03	4.36E-03	4.19E-03	4.15E-03
SN46	4.76E-03	4.67E-03	4.57E-03	4.41E-03	4.36E-03	4.23E-03	4.18E-03
SN47	4.82E-03	4.63E-03	4.54E-03	4.38E-03	4.38E-03	4.21E-03	4.16E-03
SN48	4.80E-03	4.65E-03	4.55E-03	4.35E-03	4.30E-03	4.20E-03	4.17E-03
SN50	4.77E-03	4.63E-03	4.50E-03	4.38E-03	4.33E-03	4.20E-03	4.16E-03
MIN	4.76E-03	4.63E-03	4.50E-03	4.35E-03	4.30E-03	4.19E-03	4.15E-03
MAX	4.82E-03	4.67E-03	4.57E-03	4.41E-03	4.38E-03	4.23E-03	4.18E-03
MEAN	4.79E-03	4.65E-03	4.54E-03	4.38E-03	4.35E-03	4.21E-03	4.16E-03
STD DEV. (σ)	2.23E-05	1.79E-05	2.90E-05	2.30E-05	3.02E-05	1.45E-05	9.87E-06
LIM HI	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03	5.40E-03
MEAN+3(σ)	4.86E-03	4.70E-03	4.63E-03	4.45E-03	4.44E-03	4.25E-03	4.19E-03
MEAN-3(σ)	4.72E-03	4.59E-03	4.46E-03	4.31E-03	4.26E-03	4.16E-03	4.13E-03

Shutdown Supply Current @ Vshdn = 0V (A) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05
SN70	3.22E-05	3.22E-05	3.21E-05	3.22E-05	3.22E-05	3.22E-05	3.21E-05
SN33	3.16E-05	3.10E-05	3.08E-05	3.04E-05	2.99E-05	2.96E-05	2.92E-05
SN35	3.21E-05	3.15E-05	3.12E-05	3.08E-05	3.06E-05	3.03E-05	2.99E-05
SN37	3.18E-05	3.12E-05	3.09E-05	3.05E-05	3.03E-05	3.00E-05	2.95E-05
SN38	3.29E-05	3.24E-05	3.21E-05	3.17E-05	3.15E-05	3.11E-05	3.07E-05
SN39	3.27E-05	3.21E-05	3.19E-05	3.15E-05	3.13E-05	3.09E-05	3.06E-05
SN40	3.22E-05	3.16E-05	3.13E-05	3.09E-05	3.07E-05	3.04E-05	2.97E-05
SN41	3.30E-05	3.23E-05	3.21E-05	3.17E-05	3.15E-05	3.11E-05	3.08E-05
SN42	3.20E-05	3.14E-05	3.12E-05	3.08E-05	3.06E-05	3.01E-05	2.99E-05
SN43	3.26E-05	3.21E-05	3.18E-05	3.14E-05	3.12E-05	3.08E-05	3.05E-05
SN44	3.19E-05	3.13E-05	3.10E-05	3.06E-05	3.04E-05	3.00E-05	2.97E-05
MIN	3.16E-05	3.10E-05	3.08E-05	3.04E-05	2.99E-05	2.96E-05	2.92E-05
MAX	3.30E-05	3.24E-05	3.21E-05	3.17E-05	3.15E-05	3.11E-05	3.08E-05
MEAN	3.23E-05	3.17E-05	3.14E-05	3.10E-05	3.08E-05	3.04E-05	3.00E-05
STD DEV. (σ)	4.97E-07	4.89E-07	5.03E-07	4.91E-07	5.41E-07	5.36E-07	5.47E-07
LIM HI	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05
MEAN+3(σ)	3.38E-05	3.32E-05	3.29E-05	3.25E-05	3.24E-05	3.20E-05	3.17E-05
MEAN-3(σ)	3.08E-05	3.02E-05	2.99E-05	2.96E-05	2.92E-05	2.88E-05	2.84E-05

Shutdown Supply Current @ Vshdn = 0V (A) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05	3.21E-05
SN70	3.22E-05	3.22E-05	3.21E-05	3.22E-05	3.22E-05	3.22E-05	3.21E-05
SN45	3.20E-05	3.14E-05	3.10E-05	3.05E-05	3.03E-05	2.98E-05	2.95E-05
SN46	3.19E-05	3.12E-05	3.09E-05	3.03E-05	3.01E-05	2.96E-05	2.93E-05
SN47	3.20E-05	3.14E-05	3.10E-05	3.05E-05	3.03E-05	2.97E-05	2.93E-05
SN48	3.22E-05	3.16E-05	3.12E-05	3.07E-05	3.05E-05	2.99E-05	2.95E-05
SN50	3.22E-05	3.16E-05	3.13E-05	3.08E-05	3.05E-05	3.01E-05	2.97E-05
MIN	3.19E-05	3.12E-05	3.09E-05	3.03E-05	3.01E-05	2.96E-05	2.93E-05
MAX	3.22E-05	3.16E-05	3.13E-05	3.08E-05	3.05E-05	3.01E-05	2.97E-05
MEAN	3.20E-05	3.14E-05	3.11E-05	3.06E-05	3.03E-05	2.98E-05	2.95E-05
STD DEV. (σ)	1.25E-07	1.48E-07	1.33E-07	1.73E-07	1.59E-07	1.75E-07	1.68E-07
LIM HI	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05
MEAN+3(σ)	3.24E-05	3.19E-05	3.15E-05	3.11E-05	3.08E-05	3.03E-05	3.00E-05
MEAN-3(σ)	3.17E-05	3.10E-05	3.07E-05	3.00E-05	2.99E-05	2.93E-05	2.90E-05

Lockout Threshold Vc = open (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.38	2.38	2.38	2.38	2.38	2.38	2.38
SN70	2.38	2.38	2.38	2.38	2.38	2.38	2.38
SN33	2.38	2.38	2.37	2.37	2.36	2.36	2.36
SN35	2.39	2.38	2.38	2.37	2.37	2.36	2.36
SN37	2.39	2.38	2.37	2.37	2.37	2.36	2.36
SN38	2.38	2.38	2.37	2.37	2.36	2.36	2.36
SN39	2.38	2.37	2.37	2.36	2.36	2.35	2.35
SN40	2.38	2.37	2.37	2.36	2.36	2.35	2.35
SN41	2.38	2.37	2.37	2.36	2.36	2.36	2.35
SN42	2.39	2.38	2.38	2.37	2.37	2.36	2.36
SN43	2.39	2.38	2.38	2.37	2.37	2.36	2.36
SN44	2.38	2.38	2.37	2.37	2.37	2.36	2.36
MIN	2.38	2.37	2.37	2.36	2.36	2.35	2.35
MAX	2.39	2.38	2.38	2.37	2.37	2.36	2.36
MEAN	2.38	2.38	2.37	2.37	2.37	2.36	2.36
STD DEV. (σ)	5.16E-03	4.83E-03	4.83E-03	4.83E-03	5.27E-03	4.22E-03	4.83E-03
LIM HI	2.46	2.46	2.46	2.46	2.46	2.46	2.46
LIM LO	2.30	2.30	2.30	2.30	2.30	2.30	2.30
MEAN+3(σ)	2.40	2.39	2.39	2.38	2.38	2.37	2.37
MEAN-3(σ)	2.37	2.36	2.36	2.35	2.35	2.35	2.34

Lockout Threshold Vc = open (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	2.38	2.38	2.38	2.38	2.38	2.38	2.38
SN70	2.38	2.38	2.38	2.38	2.38	2.38	2.38
SN45	2.38	2.37	2.37	2.36	2.35	2.34	2.34
SN46	2.39	2.38	2.38	2.36	2.36	2.35	2.34
SN47	2.39	2.38	2.38	2.37	2.36	2.35	2.35
SN48	2.39	2.38	2.38	2.37	2.36	2.35	2.34
SN50	2.39	2.38	2.38	2.37	2.36	2.35	2.35
MIN	2.38	2.37	2.37	2.36	2.35	2.34	2.34
MAX	2.39	2.38	2.38	2.37	2.36	2.35	2.35
MEAN	2.39	2.38	2.38	2.37	2.36	2.35	2.34
STD DEV. (σ)	4.47E-03	4.47E-03	4.47E-03	5.48E-03	4.47E-03	4.47E-03	5.48E-03
LIM HI	2.46	2.46	2.46	2.46	2.46	2.46	2.46
LIM LO	2.30	2.30	2.30	2.30	2.30	2.30	2.30
MEAN+3(σ)	2.40	2.39	2.39	2.38	2.37	2.36	2.36
MEAN-3(σ)	2.37	2.36	2.36	2.35	2.34	2.33	2.33

Shutdown Threshold @ Device Shutting Down (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.430	0.430	0.430	0.430	0.430	0.430	0.430
SN70	0.420	0.420	0.420	0.420	0.420	0.420	0.420
SN33	0.410	0.410	0.410	0.400	0.400	0.390	0.390
SN35	0.410	0.410	0.410	0.400	0.400	0.390	0.390
SN37	0.410	0.410	0.410	0.400	0.400	0.390	0.390
SN38	0.410	0.410	0.410	0.400	0.400	0.390	0.390
SN39	0.440	0.440	0.430	0.430	0.430	0.420	0.420
SN40	0.400	0.370	0.330	0.370	0.310	0.370	0.340
SN41	0.410	0.410	0.410	0.400	0.400	0.400	0.390
SN42	0.410	0.410	0.410	0.410	0.400	0.400	0.400
SN43	0.440	0.430	0.430	0.430	0.430	0.420	0.420
SN44	0.400	0.400	0.390	0.390	0.390	0.380	0.380
MIN	0.400	0.370	0.330	0.370	0.310	0.370	0.340
MAX	0.440	0.440	0.430	0.430	0.430	0.420	0.420
MEAN	0.414	0.410	0.404	0.403	0.396	0.395	0.391
STD DEV. (σ)	0.0143	0.0183	0.0284	0.0177	0.0331	0.0158	0.0223
LIM HI	0.600	0.600	0.600	0.600	0.600	0.600	0.600
LIM LO	0.130	0.130	0.130	0.130	0.130	0.130	0.130
MEAN+3(σ)	0.457	0.465	0.489	0.456	0.495	0.442	0.458
MEAN-3(σ)	0.371	0.355	0.319	0.350	0.297	0.348	0.324

Shutdown Threshold @ Device Shutting Down (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.430	0.430	0.430	0.430	0.430	0.430	0.430
SN70	0.420	0.420	0.420	0.420	0.420	0.420	0.420
SN45	0.400	0.400	0.390	0.390	0.380	0.380	0.370
SN46	0.410	0.400	0.400	0.390	0.380	0.380	0.410
SN47	0.420	0.410	0.410	0.400	0.390	0.390	0.380
SN48	0.400	0.400	0.390	0.390	0.380	0.380	0.370
SN50	0.420	0.410	0.410	0.400	0.390	0.390	0.380
MIN	0.400	0.400	0.390	0.390	0.380	0.380	0.370
MAX	0.420	0.410	0.410	0.400	0.390	0.390	0.410
MEAN	0.410	0.404	0.400	0.394	0.384	0.384	0.382
STD DEV. (σ)	0.0100	5.48E-03	0.0100	5.48E-03	5.48E-03	5.48E-03	0.0164
LIM HI	0.600	0.600	0.600	0.600	0.600	0.600	0.600
LIM LO	0.130	0.130	0.130	0.130	0.130	0.130	0.130
MEAN+3(σ)	0.440	0.420	0.430	0.410	0.400	0.400	0.431
MEAN-3(σ)	0.380	0.388	0.370	0.378	0.368	0.368	0.333

Shutdown Threshold @ Device Starting Up (V) (BIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.570	0.570	0.570	0.570	0.570	0.570	0.560
SN70	0.560	0.560	0.560	0.560	0.560	0.560	0.560
SN33	0.550	0.550	0.550	0.550	0.550	0.540	0.540
SN35	0.550	0.550	0.550	0.550	0.550	0.550	0.550
SN37	0.550	0.550	0.550	0.550	0.550	0.550	0.550
SN38	0.550	0.550	0.550	0.550	0.550	0.540	0.540
SN39	0.580	0.580	0.570	0.570	0.570	0.570	0.570
SN40	0.530	0.530	0.530	0.530	0.530	0.530	0.530
SN41	0.550	0.550	0.550	0.550	0.550	0.550	0.550
SN42	0.550	0.550	0.550	0.550	0.550	0.550	0.550
SN43	0.570	0.570	0.570	0.570	0.570	0.570	0.570
SN44	0.540	0.530	0.530	0.530	0.530	0.530	0.530
MIN	0.530	0.530	0.530	0.530	0.530	0.530	0.530
MAX	0.580	0.580	0.570	0.570	0.570	0.570	0.570
MEAN	0.552	0.551	0.550	0.550	0.550	0.548	0.548
STD DEV. (σ)	0.0140	0.0152	0.0133	0.0133	0.0133	0.0140	0.0140
LIM HI	0.700	0.700	0.700	0.700	0.700	0.700	0.700
LIM LO	0.250	0.250	0.250	0.250	0.250	0.250	0.250
MEAN+3(σ)	0.594	0.597	0.590	0.590	0.590	0.590	0.590
MEAN-3(σ)	0.510	0.505	0.510	0.510	0.510	0.506	0.506

Shutdown Threshold @ Device Starting Up (V) (UNBIASED)							
	PRE	30k	50k	100k	A1	150k	A2
SN60	0.570	0.570	0.570	0.570	0.570	0.570	0.560
SN70	0.560	0.560	0.560	0.560	0.560	0.560	0.560
SN45	0.540	0.540	0.540	0.530	0.530	0.530	0.530
SN46	0.540	0.540	0.540	0.540	0.540	0.540	0.520
SN47	0.550	0.550	0.550	0.550	0.550	0.550	0.550
SN48	0.540	0.540	0.540	0.540	0.540	0.530	0.530
SN50	0.550	0.550	0.550	0.550	0.550	0.550	0.550
MIN	0.540	0.540	0.540	0.530	0.530	0.530	0.520
MAX	0.550	0.550	0.550	0.550	0.550	0.550	0.550
MEAN	0.544	0.544	0.544	0.542	0.542	0.540	0.536
STD DEV. (σ)	5.48E-03	5.48E-03	5.48E-03	8.37E-03	8.37E-03	0.0100	0.0134
LIM HI	0.700	0.700	0.700	0.700	0.700	0.700	0.700
LIM LO	0.250	0.250	0.250	0.250	0.250	0.250	0.250
MEAN+3(σ)	0.560	0.560	0.560	0.567	0.567	0.570	0.576
MEAN-3(σ)	0.528	0.528	0.528	0.517	0.517	0.510	0.496

APPENDIX C: TRAVELER

VPT Rad Radiation Lab & Test Services

JOB TRAVELER
Control Doc. No. OP-5-FORM
File:OP-5
TRAVELER_FORM.doc

Procedure No.: OP-5-FORM
Revision: 11
Date Issued: 03/01/2017
Page 1 of 2

Customer ADI Part Receipt (Date) 05/22/2024 Part/Technology # RH1959MW
Customer Test Plan Identifier ADI-HDR-RH1959MW COCR Job #NA
Test Program and Revision RH1959.PY Customer Require Initial Data? YES (•) NO ( )
Test Station I.D. CUSTOM Test Fixture I.D. TF-RH1959 Irradiation Position I.D. GC220
DUT Board(s) ID # BN-RH1959 BIAS: 16V / Vbias .6V Annealing Temperature: 25c TIME(S): 24HR, 168HR
Special requirements:
Test Classification: (•) TID ( ) LDR ( ) NDD ( ) OTHER

IRRADIATION & ANNEALING SCHEDULE

STEP	SCHEDULED CUMMULATIVE DOSE/ANNEAL	TEST COMPLETE DATE	CONFIRM INTITAL	STEP	SCHEDULED CUMMULATIVE DOSE/ANNEAL	TEST COMPLETE DATE	CONFIRM INTITAL
0	PRE	08/26/24	DV	6	A2	09/12/24	DV
1	30K	09/04/24	DV				
2	50K	09/04/24	DV				
3	100K	09/04/24	DV				
4	A1	09/05/24	DV				
5	150K	09/05/24	DV				

CALIBRATED EQUIPMENT ID#	CAL0003	CAL0056	CAL0119	CAL0149	CAL0150	CAL0152
	CAL0156	CAL0158	CAL0191	CAL0225		

Test Board Operational Check N/A ____ PASS X FAIL ____
Bias voltage: 16V/.6V

TEST POINT TRACKING LOG (AS NECESSARY)

DATE	BIAS VOLTAGE	TIME ON & OP INITIAL	DATE	BIAS VOLTAGE	TIME OFF & OP INITIAL	TEST TEMP	TEST STATION	TEST FIXTURE	RAD STEP	TEST FINISH TIME	DATA VALID
8/26	----	----	---	----	----	T1	Custm	Custm	PRE	1157	✓
9/4	16V/.6V	1306/DV	9/4	16V/.6V	1309/DV	T2	"	"	30K	1354	✓
9/4	16V/.6V	1339/DV	9/4	16V/.6V	1341/DV	T2	"	"	50K	1413	✓
9/4	16V/.6V	1416/DV	9/4	16V/.6V	1421/DV	T2	"	"	100K	1453	✓
9/4	16V/.6V	1458/DV	9/5	16V/.6V	1532/DV	T1	"	"	A1	1552	✓
9/5	16V/.6V	1559/DV	9/5	16V/.6V	1604/DV	T1	"	"	150K	1641	✓
9/5	16V/.6V	1648/DV	9/12	16V/.6V	1423/DV	T2	"	"	A2	1431	✓

Unusual occurrence reporting: NA
Electrical Test Report: 1 Exposure Report: 1 Sample Packaging per OP-4: 2

VPT Rad 101 Brick Kiln Road Building 2 Unit 3 Chelmsford MA, 01824	DLA Land and Maritime Lab Suitability VQH-14-028561 MIL-STD-750 & 883 - TM 1017/1019/1080	Cage Code:849M4

APPENDIX D: EXPOSURE REPORT

101 Brick Kiln Road
Chelmsford, MA 01824
www.VPTRad.com

September 12, 2024

Mr. Tom Decker
Analog Devices
4001 NC HWY 54
Edge East Suite 3110
Durham, NC 27709

Subject: Exposure Report

Job#:	ADI-HDR-RH1959MW
Product:	RH1959MW
Irradiation Date:	09/04/2024, 09/05/2024
Source Number:	GC220 #136R 03/2026
Dosimetry Equipment:	Bruker Biospin escan # SC0424
Calibration Due:	(NIST) 08/2026 (Batch # T151027)
Cal. Rate:	180.1±5% rad(Si)/s @ 03/2024
Start Rate:	**169 rad(Si)/s**

The Irradiation Schedule/Test Points are based on the dosimetry maps generated on 03/2024. The dose rate is corrected for radiological decay at the start of the irradiation.

Irradiation Schedule/Test Points

9/4/2024

Product	Run#	Rate rad(Si)/s	Dose rad(Si)	Duration Time	Measure Dose rad(Si) (+3%)	Cummulative Dose rad(Si)	Time on	(seconds)
RH1959MW	1	**169**	30,000	0:03:03	30,927	30,927	1306	183
	2	**169**	20,000	0:02:02	20,618	51,545	1339	122
	3	**169**	50,000	0:05:05	51,545	103,090	1416	305

9/5/2024

Product	Run#	Rate rad(Si)/s	Dose rad(Si)	Duration Time	Measure Dose rad(Si) (+3%)	Cummulative Dose rad(Si)	Time on	(seconds)
RH1959MW	1	**169**	50,000	0:05:05	51,545	51,545	1559	305

VPT Rad 101 Brick Kiln Road Building 2 Unit 3 Chelmsford MA, 01824	DLA Land and Maritime Lab Suitability VQH-14-028561 MIL-STD-750 & 883 - TM 1017/1019/1080	Cage Code:849M4

APPENDIX E: CERTIFICATE OF CONFORMANCE

Certificate of Conformance

This document certifies that the testing and irradiation of the parts listed below was performed in accordance with the customers' Statement of Work (SOW) and with the requirements of MIL-STD-883/750, as applicable.

CUSTOMER:	ANALOG DEVICES INC
P.O. NUMBER:	NA
VPT RAD JOB NUMBER:	NA
STATEMENT OF WORK:	ANALOG DEVICES INC STATEMENT OF WORK
MFR PART NUMBER:	ANALOG DEVICES INC – RH1959MW
MFR WAFER LOT #:	NA
MFR LOT DATE CODE:	NA
WAFER NUMBERS (S):	15
RADIATION LEVELS:	30K, 50K, 100K, 150KRAD(SI)
NUMBER OF DEVICES UNDER TEST (DUT):	15+2 CONTROL
TEST DATE COMPLETION:	09/12/2024

_____ 09/17/2024

Ruben Perez, Quality Assurance Administrator — Date