(wafer2,0,6,-1,-1,0,3) Characteristics

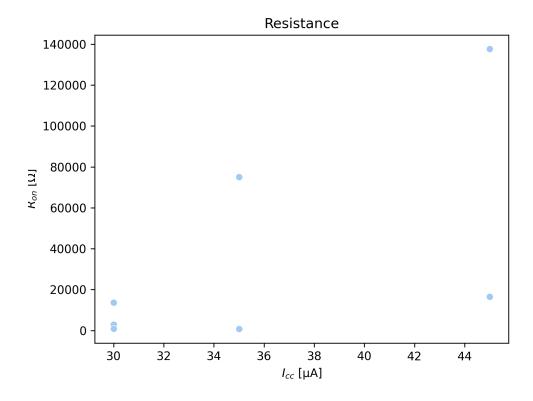
• Cell Size: 10um

• Times Accessed: 32

Last Measurement: 2022/April/01 at 12:48:55PM

Summary

Cycle #	Set Icc (µA)	Set Voltage (V)	R_on (Ω)	R2
1	30.0	2.80	155001.35	0.952
2	30.0	4.95	2917.90	1.000
3	30.0	2.95	960.67	1.000
4	30.0	3.80	18029.63	0.970
5	30.0	1.05	63652.05	0.956
6	30.0	1.05	13698.14	0.998
7	35.0	3.60	69800.52	0.867
8	35.0	3.45	750.45	1.000
9	35.0	3.45	-9714646.93	0.015
10	35.0	3.45	75085.44	0.990
11	35.0	3.45	1110334.89	0.754
12	45.0	0.90	6537426.51	0.684
13	45.0	0.90	5821482.49	0.646
14	45.0	0.90	16510.44	0.983
15	45.0	0.90	137625.64	0.993



form

• Time: 12:04:38PM

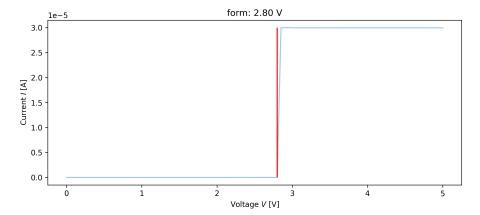
• **Icc:** 30.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.068 V/s*

• Cycle: 1

• Set Voltage: 2.80 V

formed at 2.85V, not actual forming due to low voltage



• Time: 12:05:15PM

• **Icc:** 8.0mA

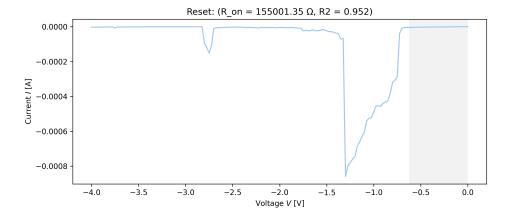
Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.551 V/s*

• Cycle: 1

• **Resistance:** 155001.35 Ω

• Linear Fit R2: 0.952

Reset but looks odd



• Time: 12:05:43PM

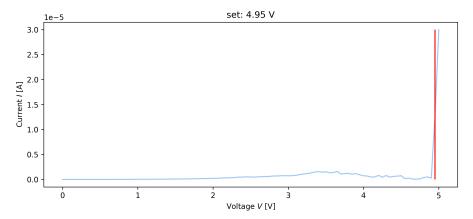
• **Icc**: 30.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.069 V/s*

• **Cycle:** 2

• Set Voltage: 4.95 V

Set at 5V, behaved more like a form



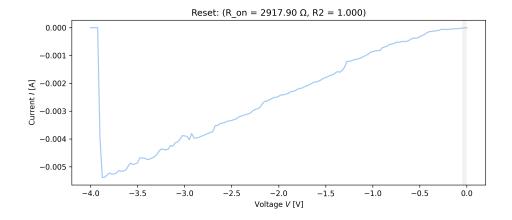
• Time: 12:06:16PM

• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.569 V/s*

• **Cycle:** 2

Resistance: 2917.90 Ω
Linear Fit R2: 1.000
Did Reset, better slope



• **Time:** 12:06:38PM

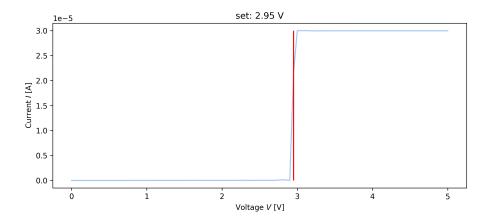
• **Icc**: 30.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.069 V/s*

• **Cycle:** 3

• Set Voltage: 2.95 V

Set at 3V



• Time: 12:07:10PM

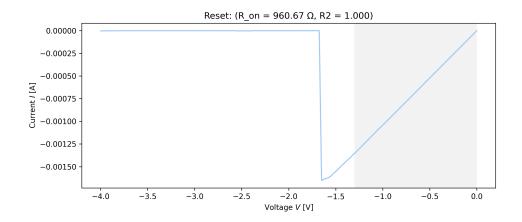
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.619 V/s*

• **Cycle:** 3

Resistance: 960.67 Ω
Linear Fit R2: 1.000

Good reset



• **Time:** 12:07:57PM

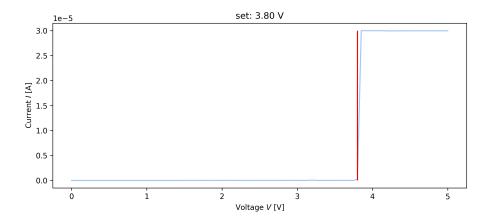
• **Icc**: 30.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.069 V/s*

• Cycle: 4

• Set Voltage: 3.80 V

Set at 3.85V



• Time: 12:12:08PM

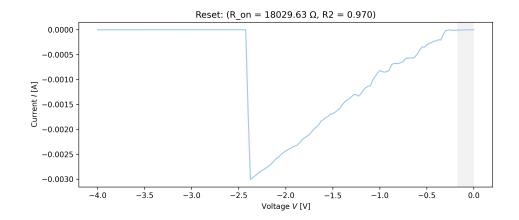
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.575 V/s*

• Cycle: 4

Resistance: 18029.63 Ω
Linear Fit R2: 0.970

Reset



• Time: 12:12:27PM

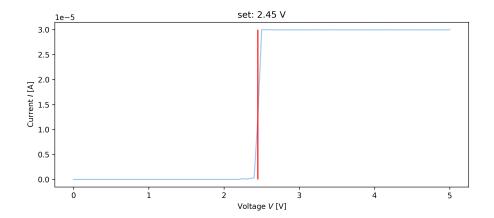
• **Icc**: 30.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.069 V/s*

• **Cycle:** 5

• Set Voltage: 2.45 V

Set at 2.5V



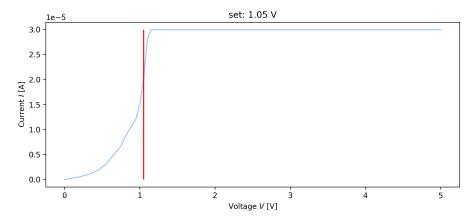
• **Time:** 12:14:43PM

• **Icc:** 30.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.161 V/s*

• **Cycle:** 5

• Set Voltage: 1.05 V And it gave us this graph...



• Time: 12:15:23PM

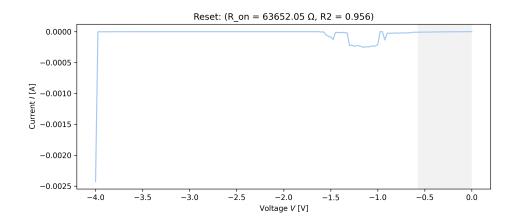
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.549 V/s*

• **Cycle:** 5

Resistance: 63652.05 Ω
Linear Fit R2: 0.956

Reset



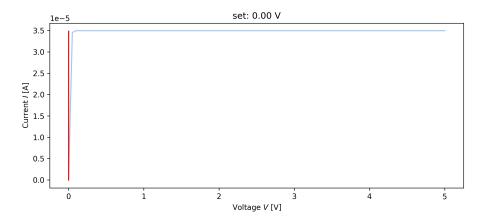
• Time: 12:15:52PM

• **Icc**: 35.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.839 V/s*

• **Cycle:** 6

• Error: Set failed Immediately Set



• Time: 12:16:19PM

• **Icc:** 8.0mA

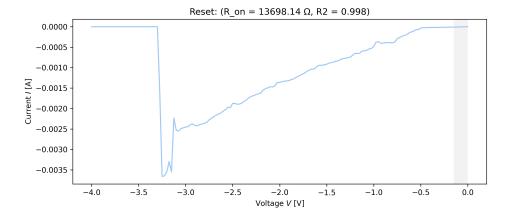
Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.554 V/s*

• **Cycle**: 6

• Resistance: 13698.14 Ω

• Linear Fit R2: 0.998

Did reset but was weird



• **Time:** 12:16:36PM

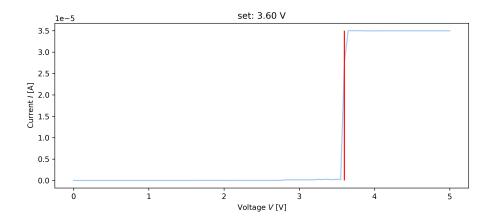
• **Icc**: 35.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.069 V/s*

• Cycle: 7

• Set Voltage: 3.60 V

Set at 3.65V



• Time: 12:17:11PM

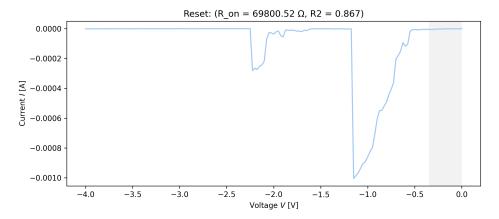
• Icc: 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.559 V/s*

• Cycle: 7

Resistance: 69800.52 Ω
Linear Fit R2: 0.867

Reset in the weirdest way possible



• **Time:** 12:17:43PM

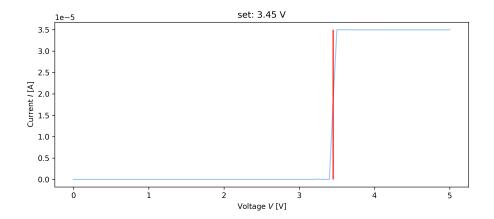
• **Icc:** 35.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.068 V/s*

• **Cycle**: 8

• Set Voltage: 3.45 V

Set at 3.5V



• Time: 12:18:40PM

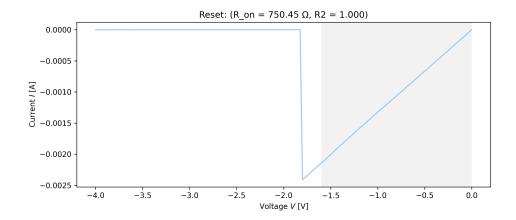
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.667 V/s*

• **Cycle:** 8

Resistance: 750.45 Ω
Linear Fit R2: 1.000

Reset nicely



• **Time:** 12:18:54PM

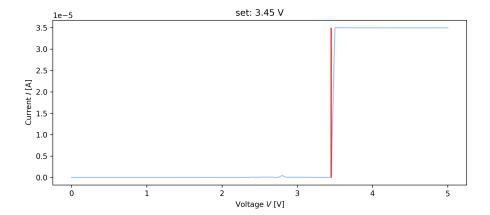
• **Icc:** 35.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.069 V/s*

• **Cycle:** 9

• Set Voltage: 3.45 V

set again, 3.5V



• Time: 12:44:09PM

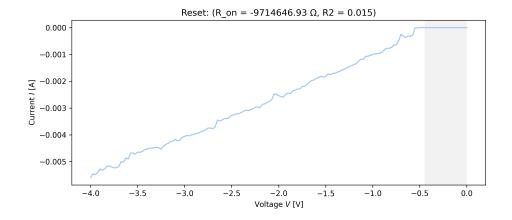
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.584 V/s*

• **Cycle:** 9

• Resistance: -9714646.93 Ω

• Linear Fit R2: 0.015



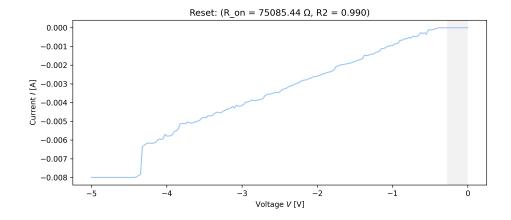
• Time: 12:44:44PM

• **Icc:** 8.0mA

Voltage Range: 0V → -5V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.567 V/s*

• **Cycle:** 10

Resistance: 75085.44 Ω
Linear Fit R2: 0.990



• Time: 12:45:38PM

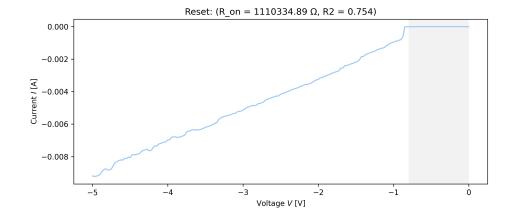
• **Icc:** 10.0mA

Voltage Range: 0V → -5V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.567 V/s*

• Cycle: 11

• **Resistance:** 1110334.89 Ω

• Linear Fit R2: 0.754



• **Time:** 12:45:58PM

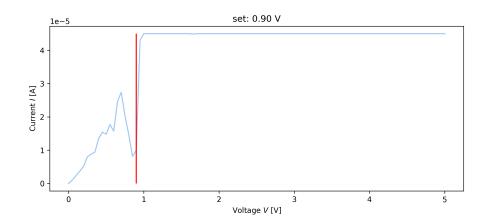
• **Icc**: 45.0uA

Voltage Range: 0V → 5V
Target Ramp Rate: 1V/s
True Ramp Rate: 1.608 V/s*

• **Cycle:** 12

• Set Voltage: 0.90 V

Set



• Time: 12:46:39PM

• **Icc:** 10.0mA

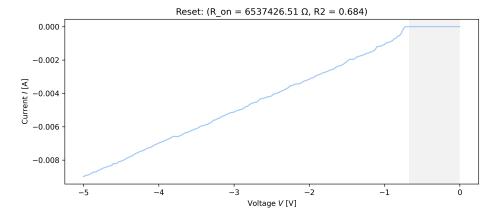
Voltage Range: 0V → -5V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.569 V/s*

• **Cycle:** 12

• **Resistance**: 6537426.51 Ω

• Linear Fit R2: 0.684

Did not reset again



• Time: 12:47:45PM

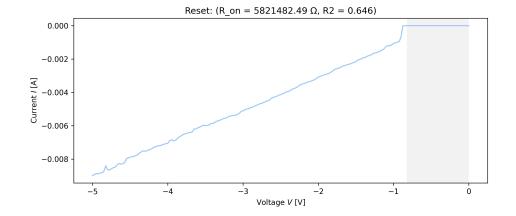
• **Icc:** 12.0mA

Voltage Range: 0V → -5V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.549 V/s*

• **Cycle:** 13

• Resistance: 5821482.49Ω

• Linear Fit R2: 0.646



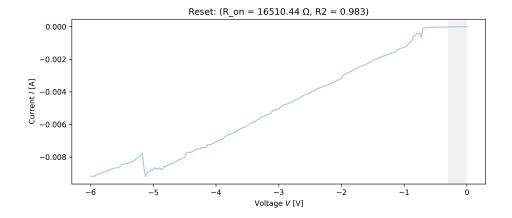
• Time: 12:48:18PM

• **Icc:** 12.0mA

Voltage Range: 0V → -6V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.550 V/s*

• Cycle: 14

Resistance: 16510.44 Ω
Linear Fit R2: 0.983



• Time: 12:48:55PM

• **Icc:** 12.0mA

Voltage Range: 0V → -6V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.550 V/s*

• **Cycle:** 15

• **Resistance:** 137625.64 Ω

• Linear Fit R2: 0.993

