(wafer2,0,7,-1,-1,0,1) Characteristics

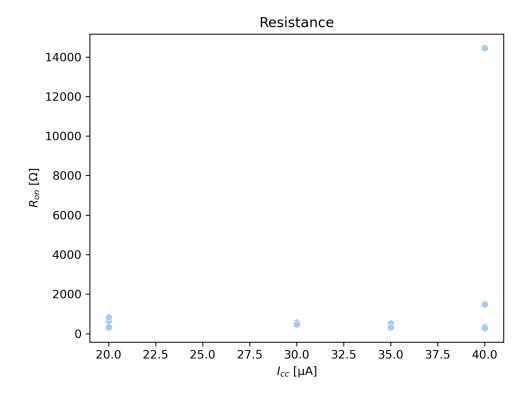
• Cell Size: 10um

• Times Accessed: 38

• Last Measurement: 2022/March/28 at 04:56:29PM

Summary

Cycle #	Set Icc (μA)	Set Voltage (V)	R_on (Ω)	R2
1	20.0	2.30	654.98	1.000
2	20.0	2.30	819.61	1.000
3	20.0	4.45	315.02	1.000
4	20.0	4.30	322.70	1.000
5	30.0	4.40	2676.30	0.942
6	30.0	2.40	563.15	1.000
7	30.0	2.60	476.54	1.000
8	35.0	2.20	516.50	1.000
9	35.0	4.20	320.11	1.000
10	35.0	2.55	238136.15	0.964
11	35.0	2.35	64468642.68	0.349
12	35.0	3.40	1495435.48	0.401
13	40.0	3.45	14455.01	0.997
14	40.0	2.15	366.09	1.000
15	40.0	3.20	353.90	1.000
16	40.0	3.20	1486.98	1.000
17	40.0	3.20	286.45	1.000
18	40.0	3.20	285.70	1.000



form

• Time: 04:55:37PM

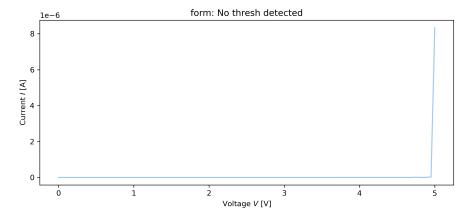
• **Icc**: 20.0uA

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

• Cycle: 1

• Error: Set failed

Set, but too high to tell accurately ~5V



• Time: 04:57:52PM

• **Icc:** 6.0mA

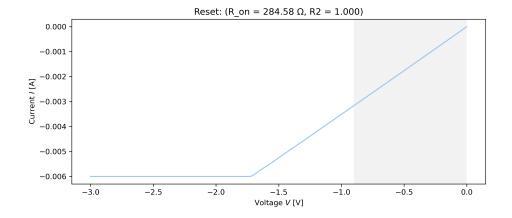
Voltage Range: 0V → -3V
Target Ramp Rate: 1V/s

• True Ramp Rate: -0.826 V/s*

• **Cycle:** 1

Resistance: 284.58 Ω
Linear Fit R2: 1.000

Did not reset



• Time: 04:58:11PM

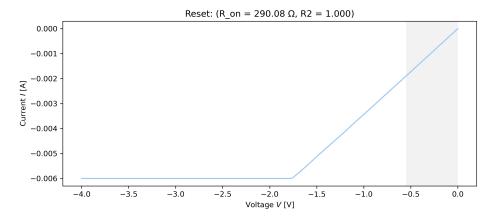
• **Icc:** 6.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.826 V/s*

• Cycle: 1

Resistance: 290.08 Ω
Linear Fit R2: 1.000

Did not reset again



• Time: 04:58:30PM

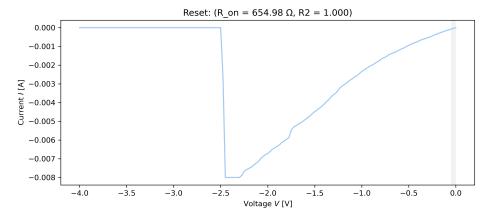
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.732 V/s*

• Cycle: 1

Resistance: 654.98 Ω
Linear Fit R2: 1.000

Did reset, slope not constant



• Time: 04:59:44PM

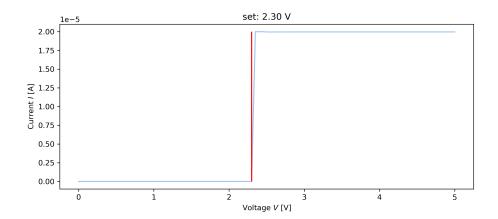
• **Icc**: 20.0uA

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

• **Cycle:** 1

• Set Voltage: 2.30 V

Set at 2.35V



• Time: 05:00:43PM

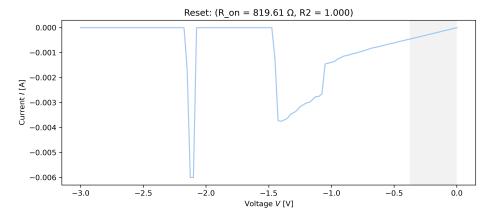
• **Icc:** 6.0mA

Voltage Range: 0V → -3V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.650 V/s*

• **Cycle:** 2

Resistance: 819.61 Ω
Linear Fit R2: 1.000

Did reset, but was erratic. rr not maintained



• **Time:** 05:01:31PM

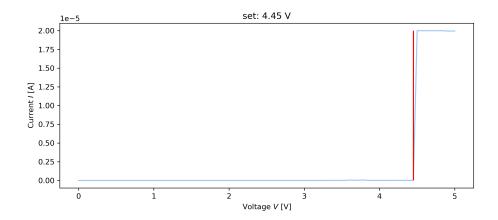
• **Icc**: 20.0uA

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

• **Cycle:** 3

• Set Voltage: 4.45 V

Set at 4.50V



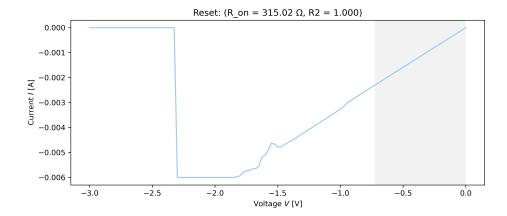
• Time: 05:02:18PM

• **Icc:** 6.0mA

Voltage Range: 0V → -3V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.813 V/s*

• **Cycle:** 3

Resistance: 315.02 Ω
Linear Fit R2: 1.000
Reset, rr not maintained



• Time: 05:03:10PM

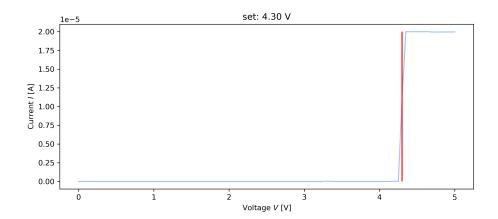
• **Icc**: 20.0uA

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

• Cycle: 4

• Set Voltage: 4.30 V

Set at 4.35V



• Time: 05:03:48PM

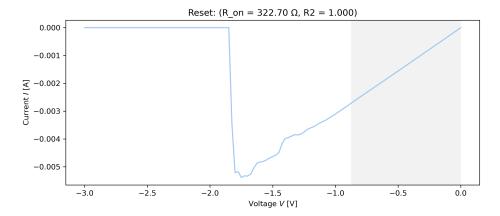
• **Icc:** 6.0mA

Voltage Range: 0V → -3V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.813 V/s*

• Cycle: 4

Resistance: 322.70 Ω
Linear Fit R2: 1.000

Reset, similar slope to previous reset



• **Time:** 05:51:10PM

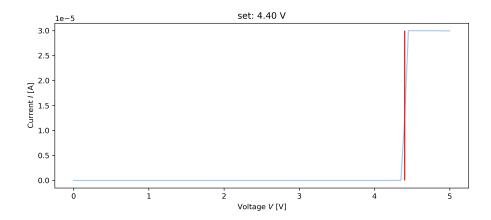
• **Icc:** 30.0uA

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

• **Cycle:** 5

• Set Voltage: 4.40 V

Set at 4.45V



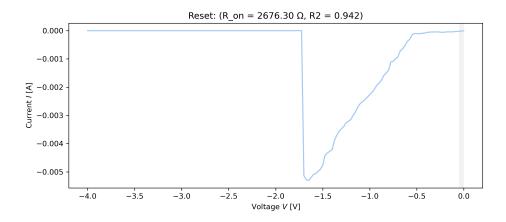
• Time: 05:51:42PM

• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.636 V/s*

• **Cycle:** 5

Resistance: 2676.30 Ω
Linear Fit R2: 0.942
Reset, not constant slope



• Time: 05:52:30PM

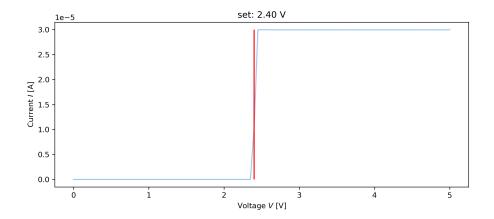
• **Icc:** 30.0uA

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

• **Cycle:** 6

• Set Voltage: 2.40 V

Set at 2.45V



• Time: 05:52:56PM

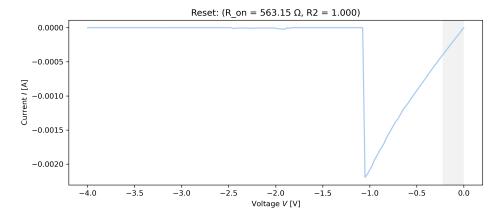
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.733 V/s*

• **Cycle:** 6

Resistance: 563.15 Ω
Linear Fit R2: 1.000

Reset, slope opposite of expected



• **Time:** 05:54:33PM

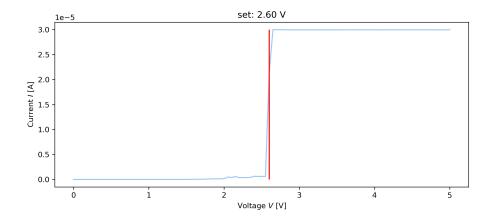
• **Icc**: 30.0uA

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

• Cycle: 7

• Set Voltage: 2.60 V

Set at 2.65V



• Time: 05:54:57PM

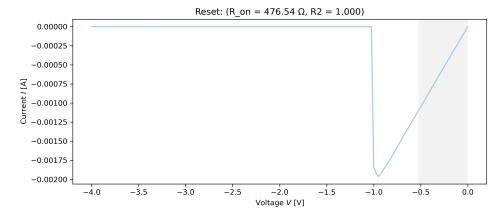
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.754 V/s*

• Cycle: 7

Resistance: 476.54 Ω
Linear Fit R2: 1.000

Reset similar to previous run



• **Time:** 05:56:26PM

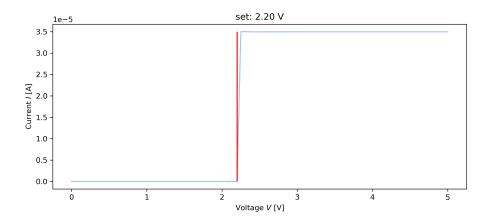
• **Icc**: 35.0uA

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

• Cycle: 8

• Set Voltage: 2.20 V

Set at 2.25V



• Time: 05:57:04PM

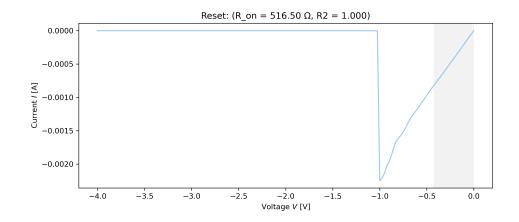
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.743 V/s*

• **Cycle:** 8

Resistance: 516.50 Ω
Linear Fit R2: 1.000

Reset



• **Time:** 05:57:32PM

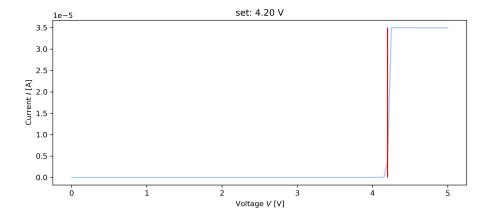
• **Icc**: 35.0uA

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

• **Cycle:** 9

• Set Voltage: 4.20 V

set at 4.25V



• Time: 05:57:58PM

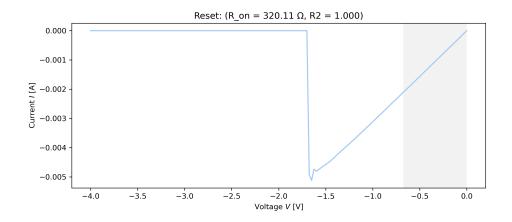
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.812 V/s*

• **Cycle:** 9

Resistance: 320.11 Ω
Linear Fit R2: 1.000

Reset



• **Time:** 05:58:48PM

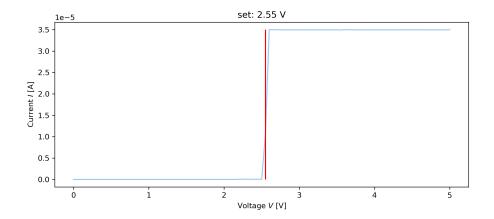
• **Icc:** 35.0uA

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

• **Cycle:** 10

• Set Voltage: 2.55 V

Set at 2.6V



• Time: 05:59:12PM

• **Icc:** 8.0mA

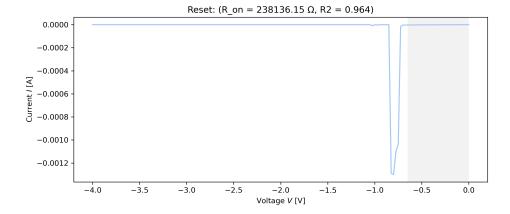
Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.574 V/s*

• **Cycle:** 10

• **Resistance:** 238136.15 Ω

Linear Fit R2: 0.964

Reset, but weird



• Time: 05:59:35PM

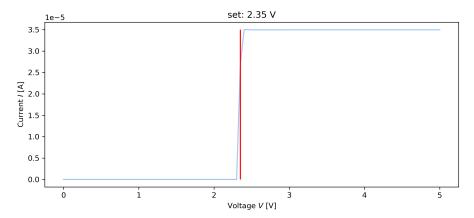
• **Icc:** 35.0uA

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

• Cycle: 11

• Set Voltage: 2.35 V

Set at 2.4V, (ignore)



• Time: 06:00:32PM

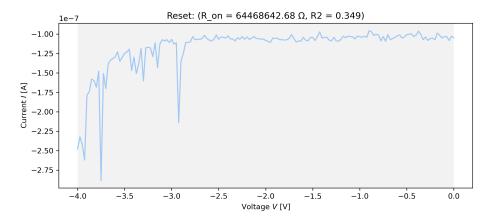
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.547 V/s*

• Cycle: 11

• Resistance: 64468642.68Ω

• Linear Fit R2: 0.349 Connection Issues (ignore)



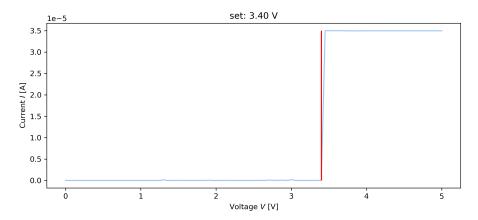
• Time: 06:03:27PM

• **Icc**: 35.0uA

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

• **Cycle:** 12

• Set Voltage: 3.40 V Set at 3.45V, (ignore)



• Time: 06:04:05PM

• **Icc:** 8.0mA

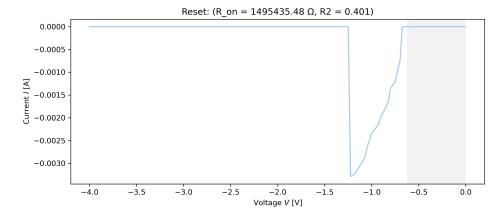
Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.624 V/s*

• **Cycle:** 12

• **Resistance:** 1495435.48 Ω

Linear Fit R2: 0.401

Reset, looks odd



• Time: 06:05:15PM

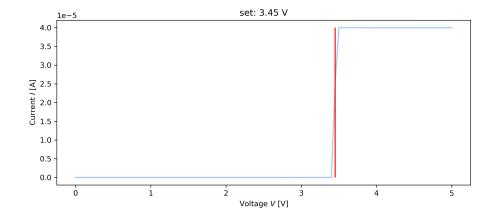
• **Icc:** 40.0uA

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

• **Cycle:** 13

• Set Voltage: 3.45 V

Set at 3.5V



• Time: 06:05:39PM

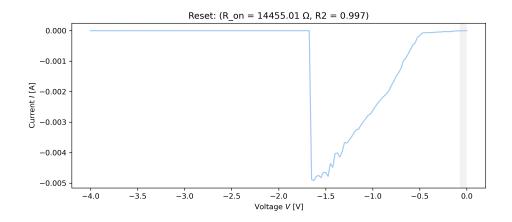
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.643 V/s*

• **Cycle:** 13

Resistance: 14455.01 Ω
Linear Fit R2: 0.997

Reset



• **Time:** 06:06:01PM

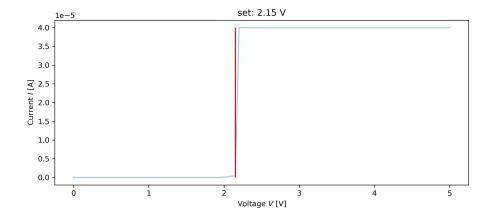
• **Icc**: 40.0uA

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

• Cycle: 14

• Set Voltage: 2.15 V

Set at 2.2V



• Time: 06:06:24PM

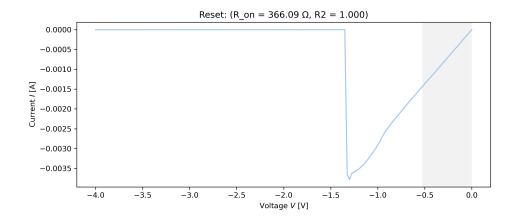
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.800 V/s*

• Cycle: 14

Resistance: 366.09 Ω
Linear Fit R2: 1.000

Reset nicely



• **Time:** 06:06:43PM

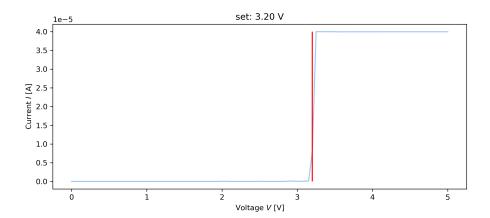
• **Icc**: 40.0uA

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

• **Cycle:** 15

• Set Voltage: 3.20 V

Set at 3.25V



• Time: 06:07:10PM

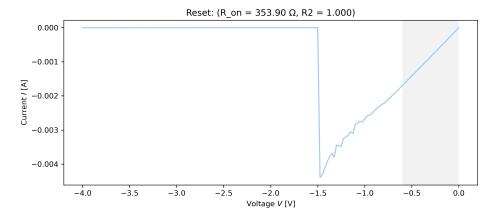
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.800 V/s*

• **Cycle:** 15

Resistance: 353.90 Ω
Linear Fit R2: 1.000

Good Reset, really close slope to previous reset



• Time: 04:55:05PM

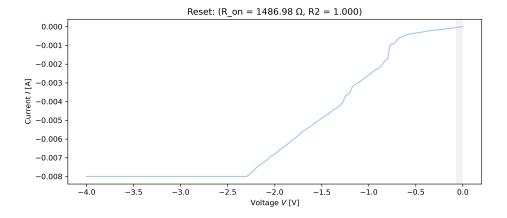
• **Icc:** 8.0mA

Voltage Range: 0V → -4V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.634 V/s*

• **Cycle**: 16

Resistance: 1486.98 Ω
Linear Fit R2: 1.000

Decided not to Reset



• Time: 04:55:38PM

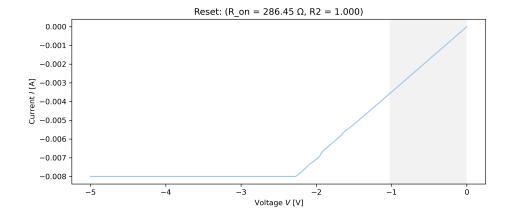
• **Icc:** 8.0mA

Voltage Range: 0V → -5V
Target Ramp Rate: 1V/s
True Ramp Rate: -0.826 V/s*

• Cycle: 17

Resistance: 286.45 Ω
Linear Fit R2: 1.000

Didn't Reset



• Time: 04:56:29PM

• **Icc:** 10.0mA

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

• True Ramp Rate: -0.826 V/s*

• **Cycle:** 18

Resistance: 285.70 Ω
Linear Fit R2: 1.000

Didn't Reset, following Ohms law

