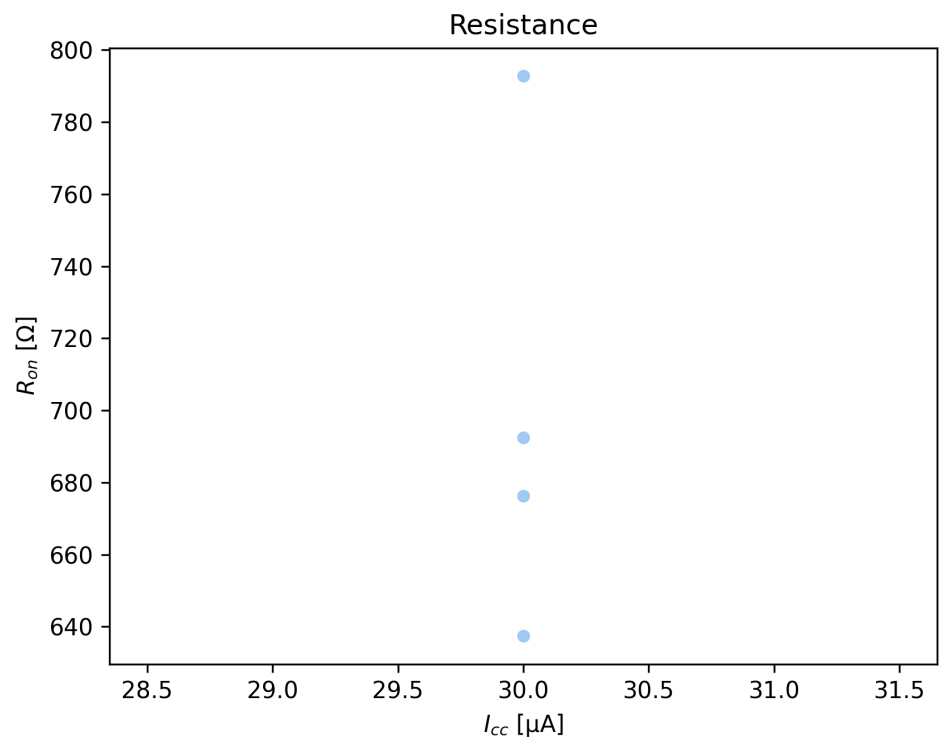# (wafer2,0,6,-1,-1,0,4) Characteristics

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- **Cell Size:** 10um

- **Times Accessed:** 9

- **Last Measurement:** 2022/March/28 at 05:15:02PM

Summary

Cycle #	Set Icc (µA)	Set Voltage (V)	R_on (Ω)	R2
1	30.0	4.95	637.42	1.000
2	30.0	2.65	676.31	1.000
3	30.0	2.70	792.79	1.000
4	30.0	3.00	692.48	1.000

Resistance
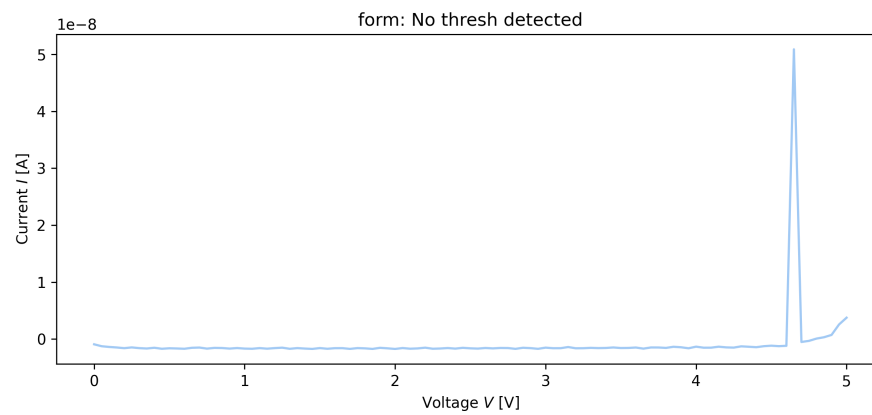
form

_____

- **Time:** 05:10:15PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
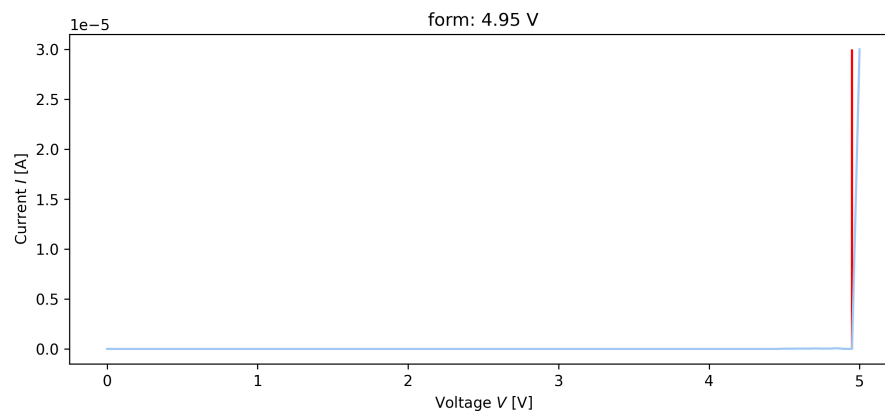- **Cycle:** 1
- **Error:** Set failed

Not conducting

form

_____

- **Time:** 05:10:39PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 1
- **Set Voltage:** 4.95 V

Formed, but at the end ~5V

form: 4.95 V
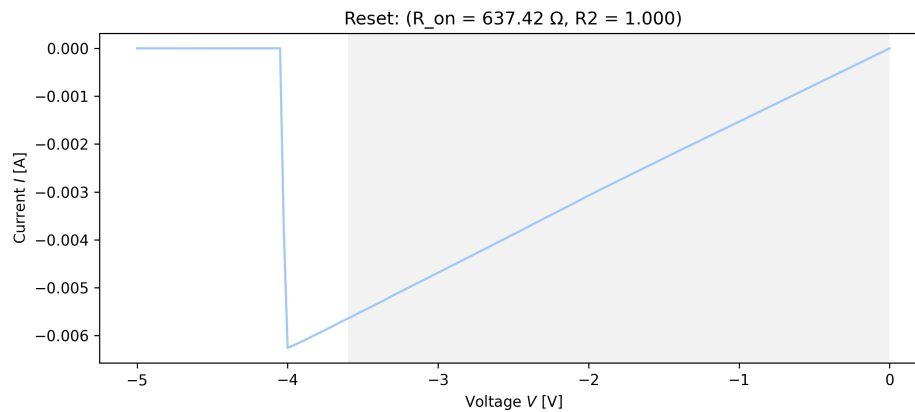
reset

_____

- **Time:** 05:11:17PM
- **Icc:** 10.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.703 V/s*
- **Cycle:** 1
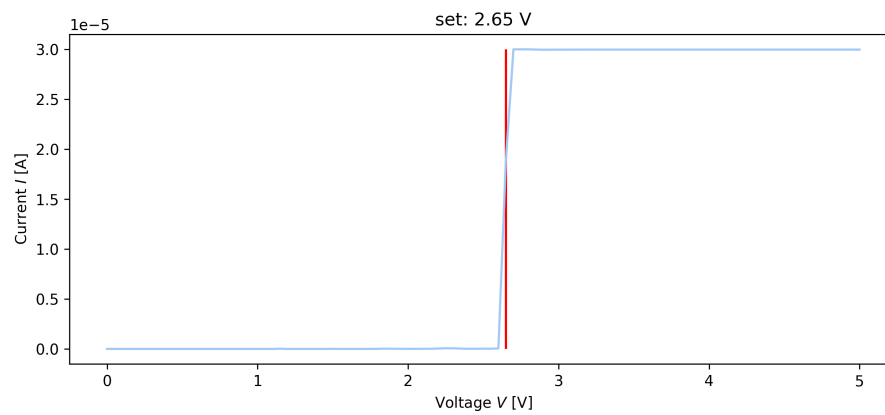- **Resistance:** 637.42 Ω
- **Linear Fit R2:** 1.000

Did reset

set

_____

- **Time:** 05:11:35PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
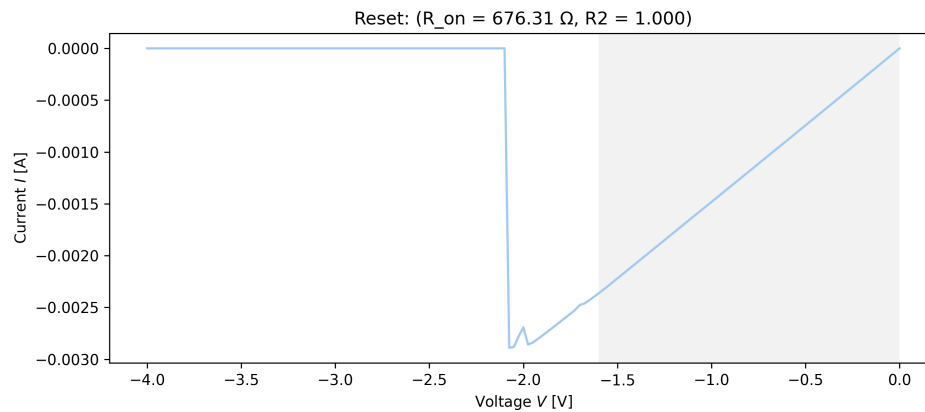- **Cycle:** 2
- **Set Voltage:** 2.65 V

successfully Set

reset

_____

- **Time:** 05:12:18PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.694 V/s*
- **Cycle:** 2
- **Resistance:** 676.31 Ω
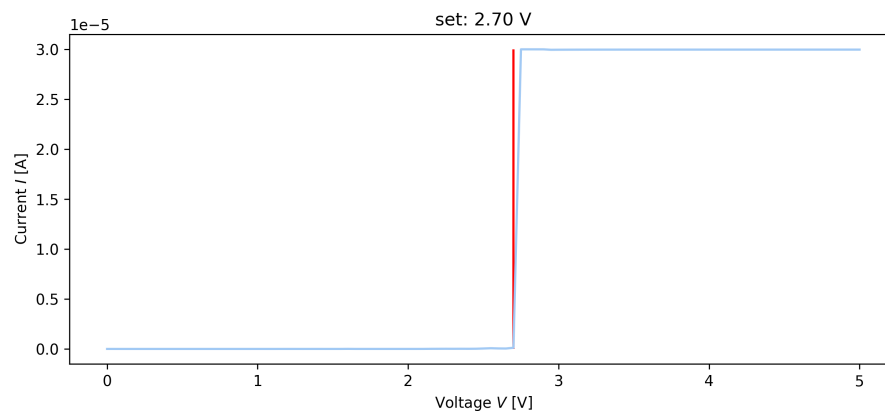- **Linear Fit R2:** 1.000

Did reset, slope maintained

Reset: (R_on = 676.31 Ω, R2 = 1.000)

set

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- **Time:** 05:12:47PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
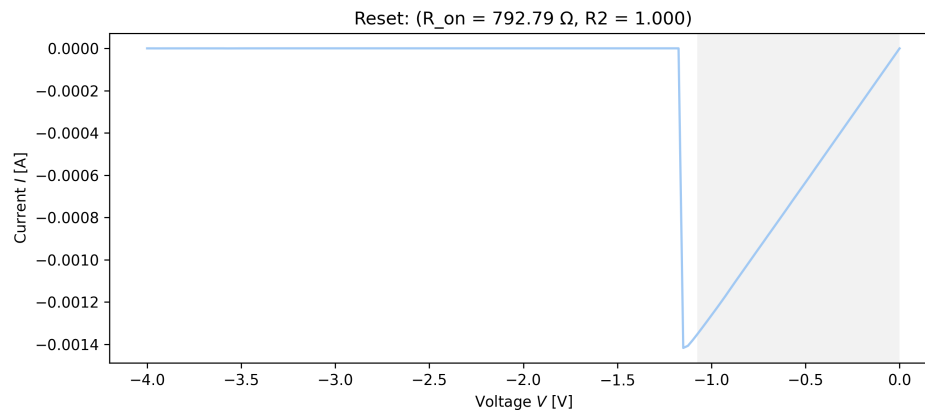- **Cycle:** 3
- **Set Voltage:** 2.70 V

Set, 2.75V

reset

_____

- **Time:** 05:13:39PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.659 V/s*
- **Cycle:** 3
- **Resistance:** 792.79 Ω
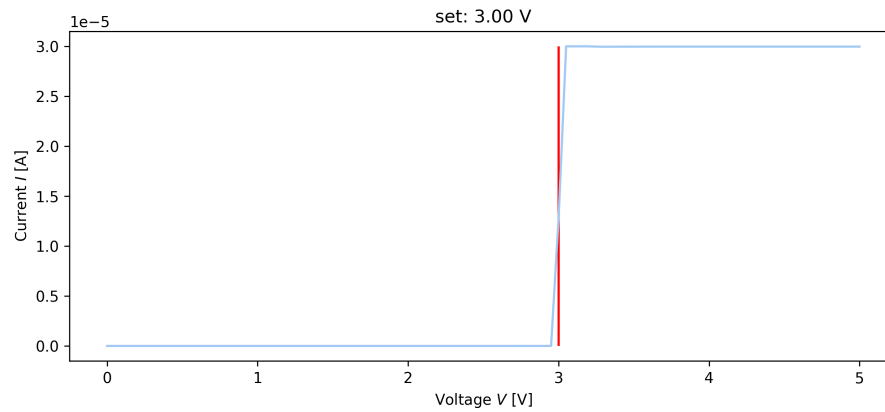- **Linear Fit R2:** 1.000

Did reset, different slope from previous

Reset: (R_on = 792.79 Ω, R2 = 1.000)

set

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- **Time:** 05:14:21PM
- **Icc:** 30.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Set Voltage:** 3.00 V

Set, 3.05V

reset

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- **Time:** 05:15:02PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -4V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.684 V/s*
- **Cycle:** 4
- **Resistance:** 692.48 Ω
- **Linear Fit R2:** 1.000

Did reset, slope maintained from previous

Reset: (R_on = 692.48 Ω, R2 = 1.000)