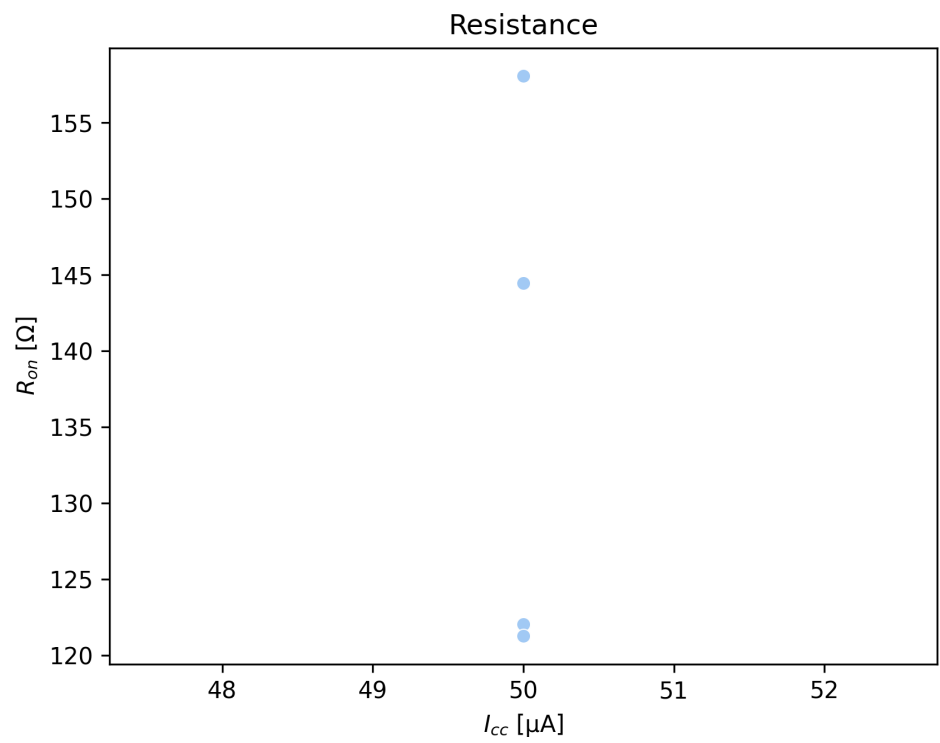# (wafer1,0,0,-1,-1,0,0) Characteristics

_____

- **Cell Size:** 10um
- **Times Accessed:** 11
- **Last Measurement:** 2022/February/21 at 02:19PM
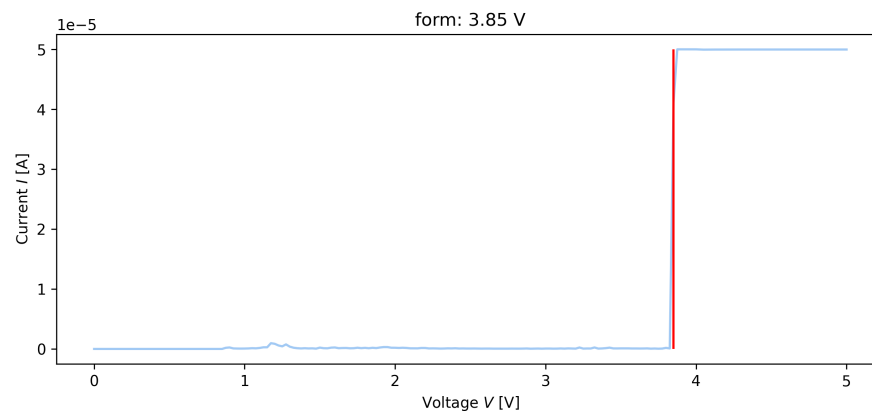
Summary

Cycle #	Set Icc (μA)	Set Voltage (V)	R_on (Ω)	R2
1	50.0	3.85	122.06	1.000
2	50.0	3.85	121.28	1.000
3	50.0	4.30	158.06	1.000
4	50.0	4.65	144.47	1.000

Resistance

form

_____

- **Time:** 01:33PM
- **Icc:** 50.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 0.5V/s
- **True Ramp Rate:** 0.548 V/s*
- **Cycle:** 1
- **Set Voltage:** 3.85 V

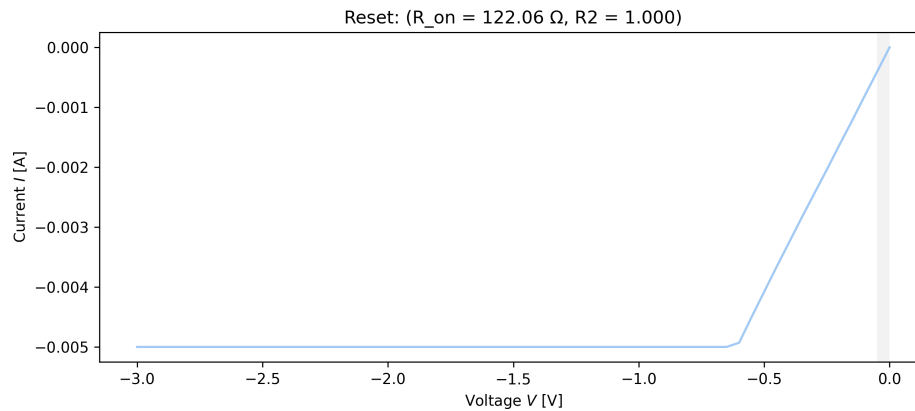Successful form at 3.85V

form: 3.85 V

reset

_____

- **Time:** 01:41PM
- **Icc:** 5.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 0.5V/s
- **True Ramp Rate:** -1.776 V/s*
- **Cycle:** 1
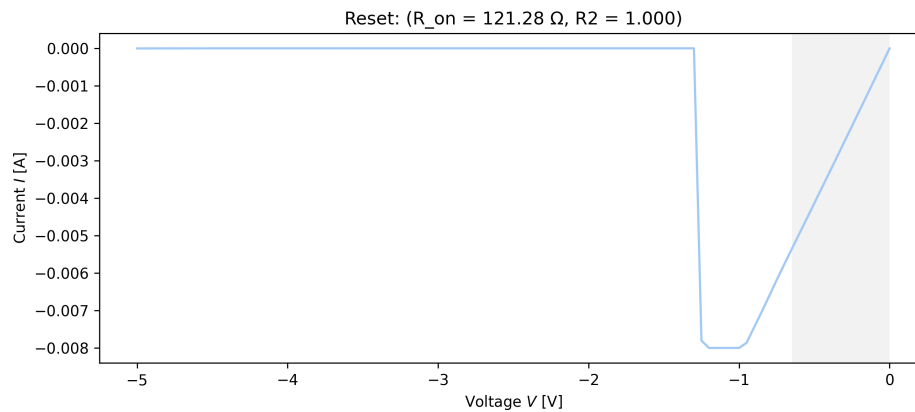- **Resistance:** 122.06 Ω
- **Linear Fit R2:** 1.000

Failed reset. Time axis was missing, so partially copied the time axis from '(device,0,0,-1,-1,0,0)_2202211343_reset_0_-5_0.5_8mA.csv'.

reset

_____

- **Time:** 01:43PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 0.5V/s
- **True Ramp Rate:** -1.777 V/s*
- **Cycle:** 2
- **Resistance:** 121.28 Ω
- **Linear Fit R2:** 1.000

Successful reset at -1.3V

Reset: (R_on = 121.28 Ω, R2 = 1.000)

set

_____

- **Time:** 01:47PM
- **Icc:** 50.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 0.5V/s
- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 3
- **Set Voltage:** 4.30 V

Successful set at 4.35V

set: 4.30 V

reset

_____

- **Time:** 02:09PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 0.5V/s
- **True Ramp Rate:** -1.457 V/s*
- **Cycle:** 3
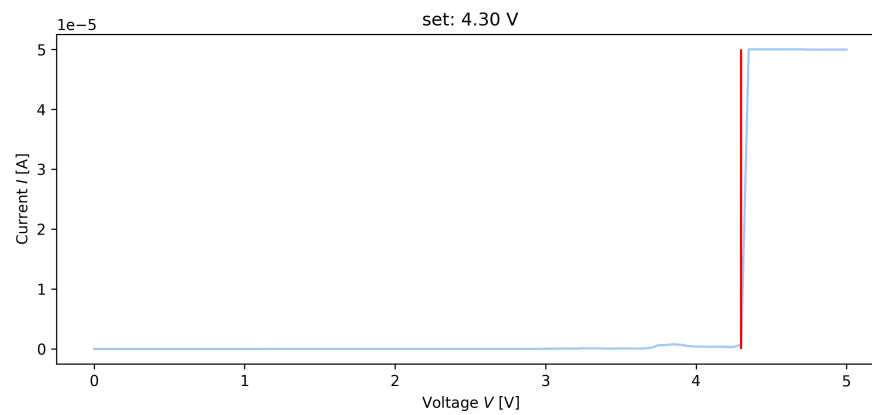- **Resistance:** 158.06 Ω
- **Linear Fit R2:** 1.000

Successful reset at -0.75V

Reset: (R_on = 158.06 Ω, R2 = 1.000)

set

_____

- **Time:** 02:10PM
- **Icc:** 50.0uA
- **Voltage Range:** 0V → 5V
- **Target Ramp Rate:** 0.5V/s
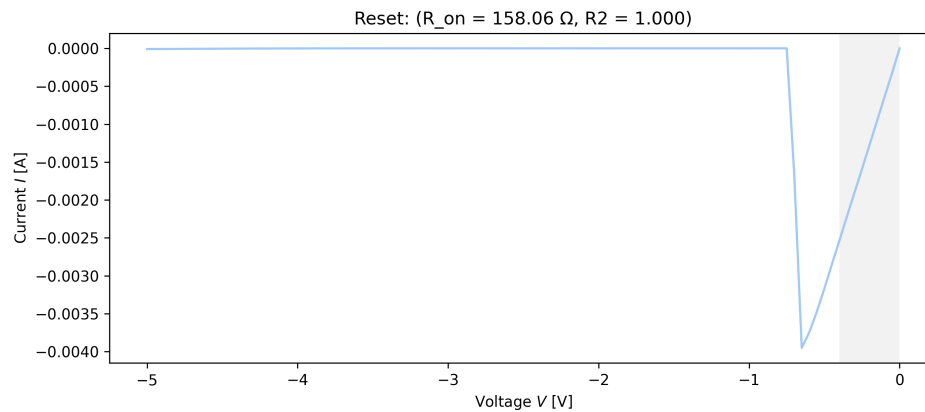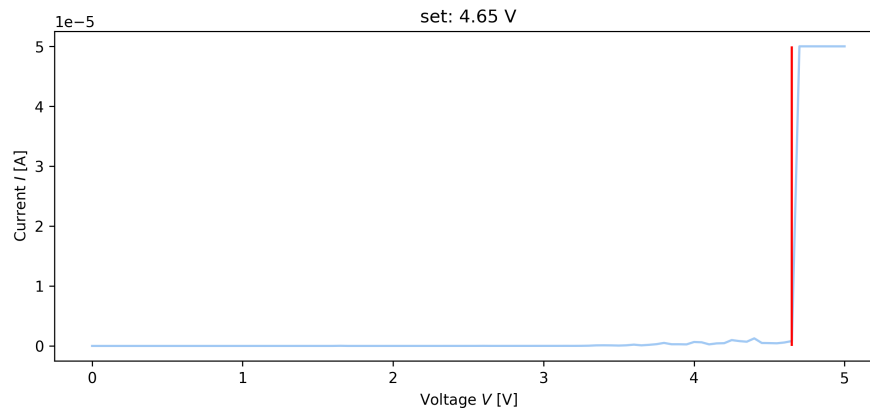- **True Ramp Rate:** 1.069 V/s*
- **Cycle:** 4
- **Set Voltage:** 4.65 V

Successful set at 4.7V.

reset

_____

- **Time:** 02:14PM
- **Icc:** 8.0mA
- **Voltage Range:** 0V → -5V
- **Target Ramp Rate:** 0.5V/s
- **True Ramp Rate:** -1.070 V/s*
- **Cycle:** 4
- **Resistance:** 144.47 Ω
- **Linear Fit R2:** 1.000

Failed reset. Missing time axis so copied the time axis from '(device,0,0,-1,-1,0,0)_2202211410_set_0_5_0.5_50uA.csv'

Reset: (R_on = 144.47 Ω, R2 = 1.000)