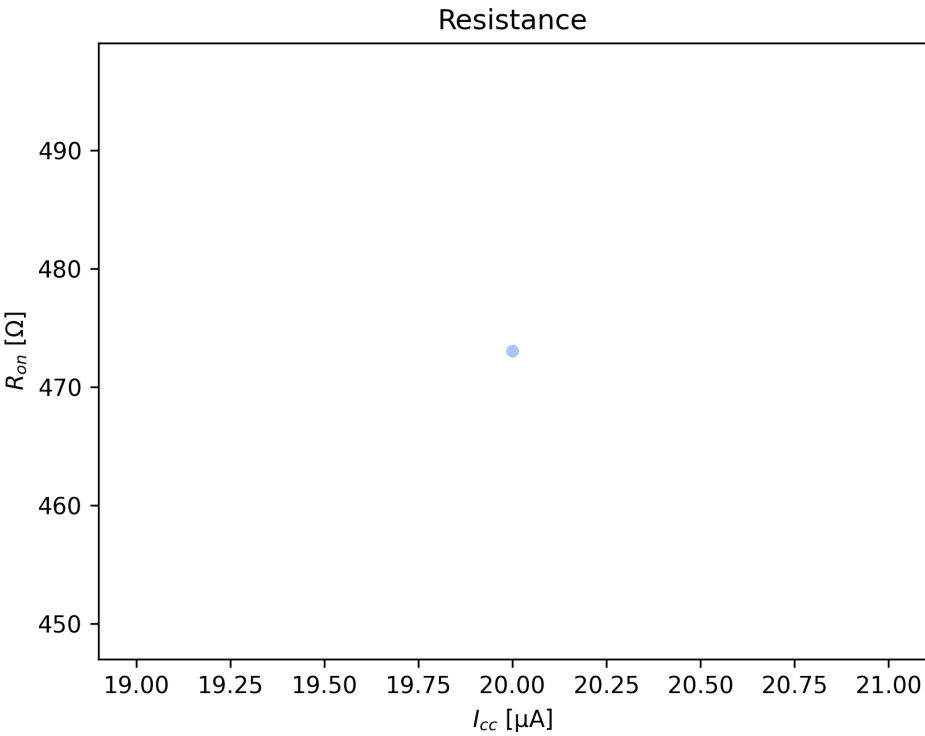


# (wafer2,2,0,-1,-1,0,1) Characteristics

- **Cell Size:** 15um
- **Times Accessed:** 6
- **Last Measurement:** 2022/March/23 at 04:09:35PM

## Summary

Cycle #	Set Icc (μA)	Set Voltage (V)	R_on (Ω)	R2
1	20.0	1.10	473.04	1.000

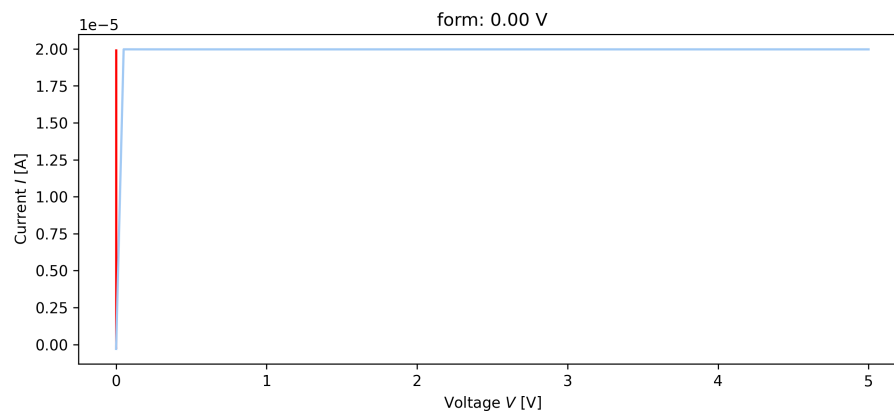


## form

---

- **Time:** 04:01:03PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.836 V/s\*
- **Cycle:** 1
- **Error:** Set failed

Probe A on copper, B on platinum. Already set. Possibly due to minor layer short in wafer, around countour edge of bottom platinum layer.

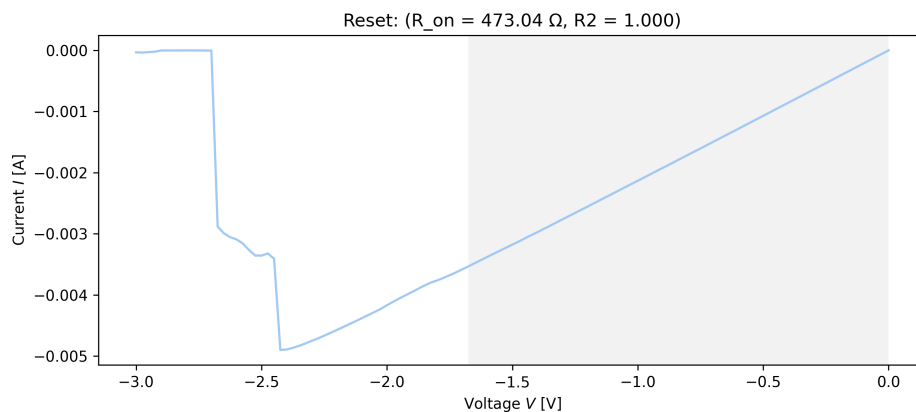


## reset

---

- **Time:** 04:03:36PM
- **I<sub>cc</sub>:** 6.0mA
- **Voltage Range:** 0V → -3V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** -0.765 V/s\*
- **Cycle:** 1
- **Resistance:** 473.04 Ω
- **Linear Fit R2:** 1.000

reset success

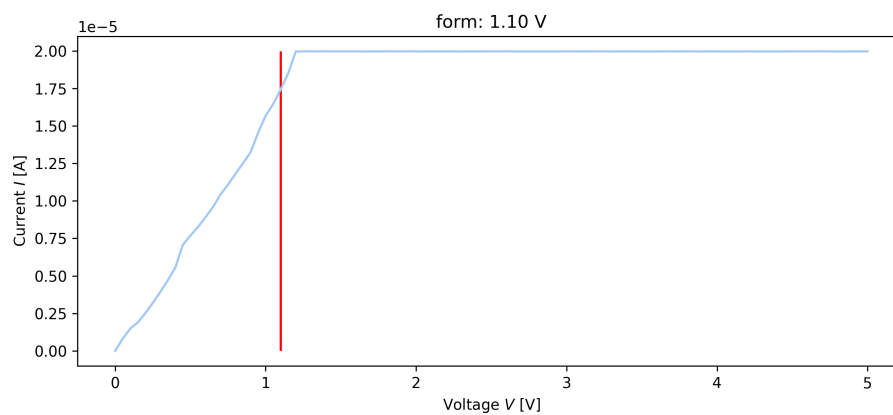


## form

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- **Time:** 04:04:26PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.353 V/s\*
- **Cycle:** 1
- **Set Voltage:** 1.10 V

Set success, but at v low voltage of 1.2V. Therefore weak filament.



## form

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- **Time:** 04:06:40PM
- **Icc:** 20.0uA
- **Voltage Range:** 0V  $\rightarrow$  5V
- **Target Ramp Rate:** 1V/s
- **True Ramp Rate:** 1.429 V/s\*
- **Cycle:** 2
- **Set Voltage:** 0.80 V

shows ohmic pattern. Short maybe present.

