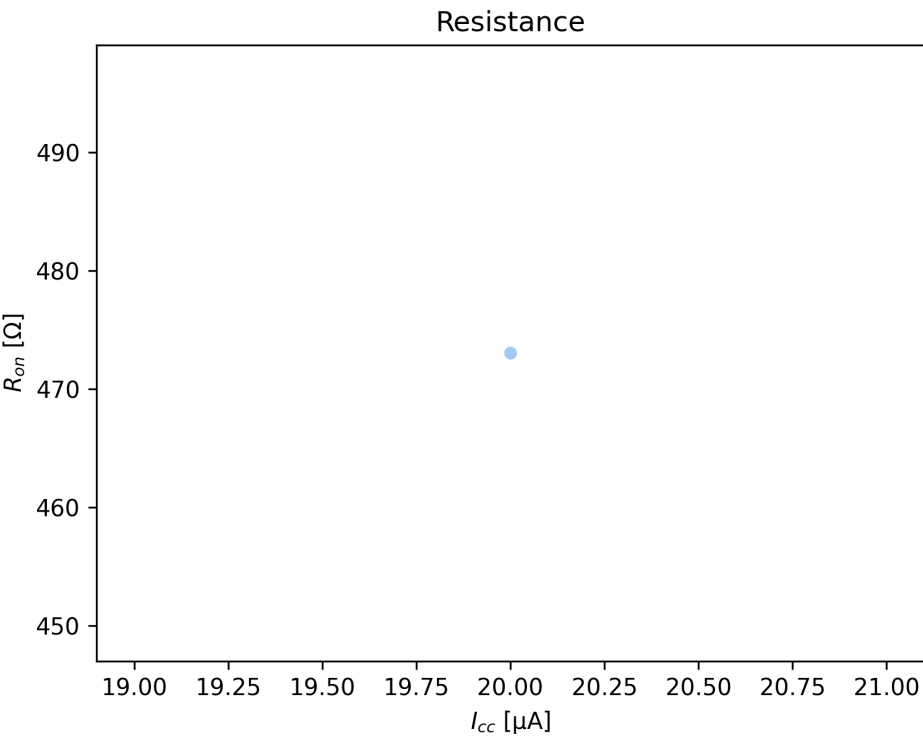


(wafer2,2,0,-1,-1,0,1) Characteristics

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

Summary

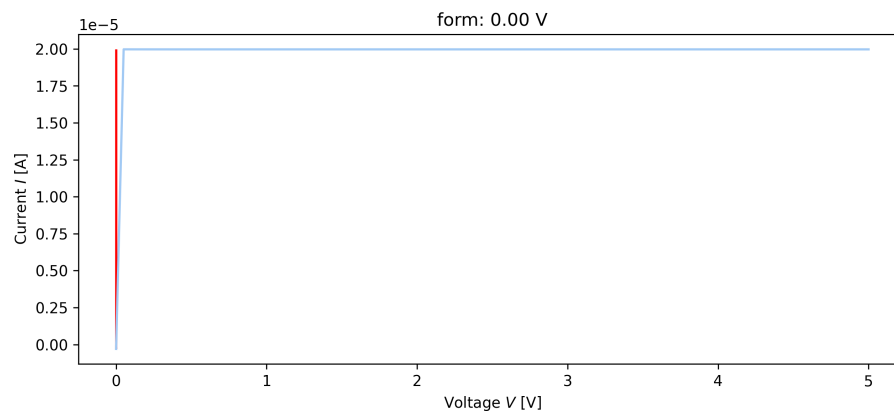
Cycle #	Set Icc (μA)	Set Voltage (V)	R_on (Ω)	R2
1	20.0	1.10	473.04	1.000



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

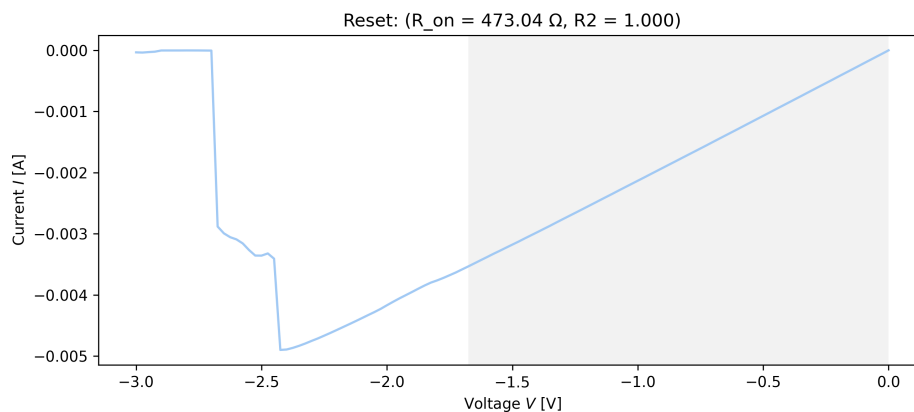
Probe A on copper, B on platinum. Already set. Possibly due to minor layer short in wafer, around countour edge of bottom platinum layer.



reset

- **Time:** 04:03:36PM
- **I_{cc}:** 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

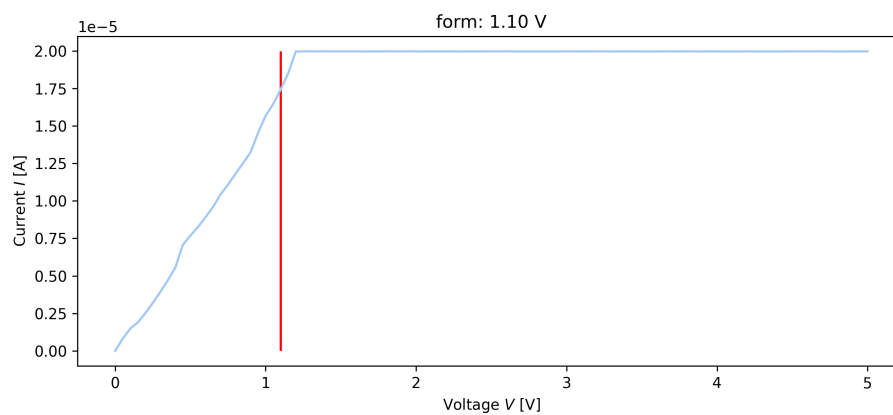
reset success



form

- **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

- **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.

