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

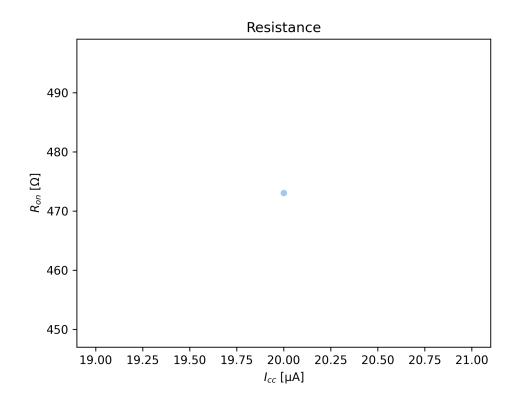
Cell Size: 15um

Times Accessed: 6

Last Measurement: 2022/March/23 at 04:09:35PM

Summary

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



form

• Time: 04:01:03PM

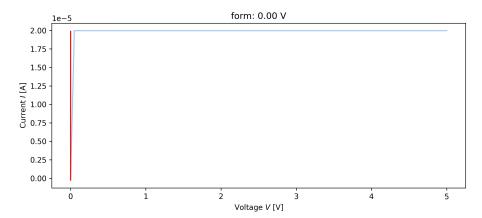
• Icc: 20.0uA

Voltage Range: 0V → 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

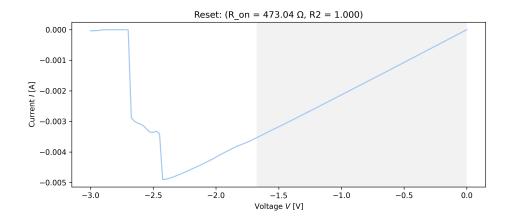
• **Icc:** 6.0mA

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

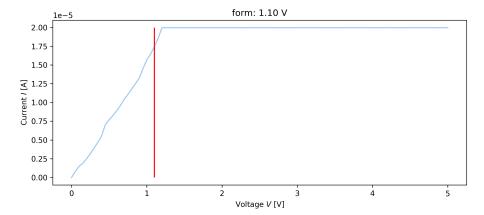
• **lcc:** 20.0uA

Voltage Range: 0V → 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

• **lcc:** 20.0uA

Voltage Range: 0V → 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.

