

# **Current Sink or Swim**

## **Specifications**

Supply Voltage	5V
Load Current – Max	3A

## **Test Results**

To test the ability of the unit to maintain the load current over a range of voltages.

Vreg On board regulator

output voltage

VR203 Voltage across the 0.1Ω

sense resistor.

### Constant and Initial Parameters

Parameter	Value	Unit
Initial Vbatt	5	٧
Initial Iload	100	mA

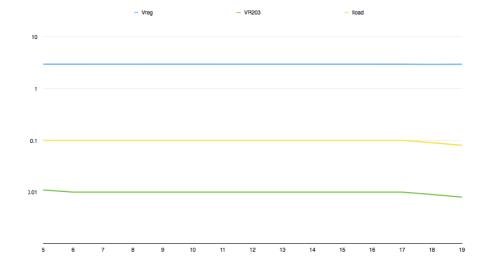
### **CSOS Performance Fixed Load**

Vbat	Vreg	VR203	lload
5	2.959	0.011	0.1
6	2.96	0.01	0.1
7	2.962	0.01	0.1
8	2.962	0.01	0.1
9	2.964	0.01	0.1
10	2.964	0.01	0.1
11	2.963	0.01	0.1
12	2.962	0.01	0.1
13	2.962	0.01	0.1
14	2.961	0.01	0.1
15	2.960	0.01	0.1
16	2.958	0.01	0.1
17	2.955	0.01	0.1
18	2.926	0.009	0.09
19	2.948	0.008	0.08

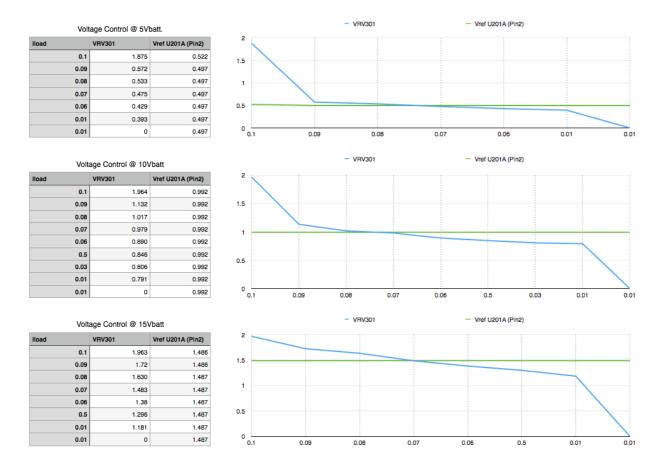
# Constant current – Self powered configuration

### Maximim Load @ 5V

IMax	3.09	Α
VR203	0.357	٧



## Voltage control cut off - Self powered configuration



## Self powered, External Powered configuration

### Jumper Connector P101

1-2	External Powered
2 – 3	Self Powered

