

Constant Current - Self Powered Configuration

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

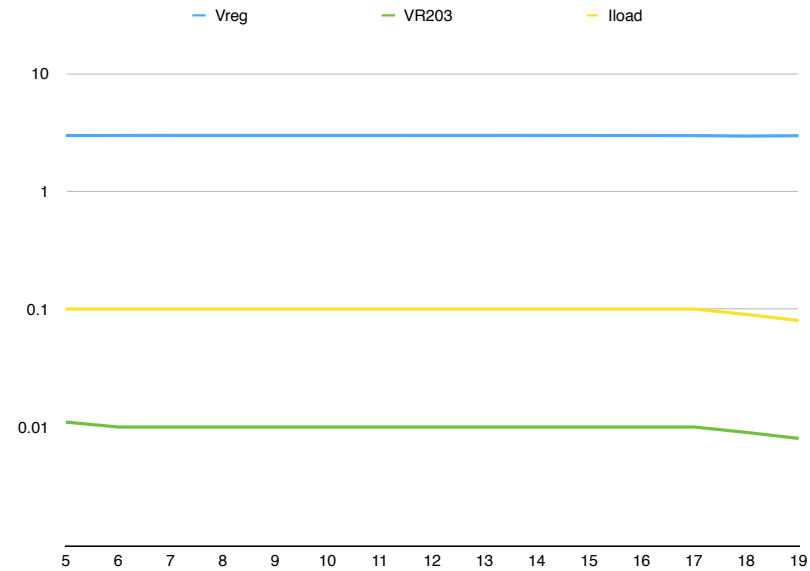
Parameter	Value	Unit
Initial Vbatt	5	V
Initial Iload	100	mA

CSOS Performance Fixed Load

Vbat	Vreg	VR203	Iload
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

Maximim Load @ 5V

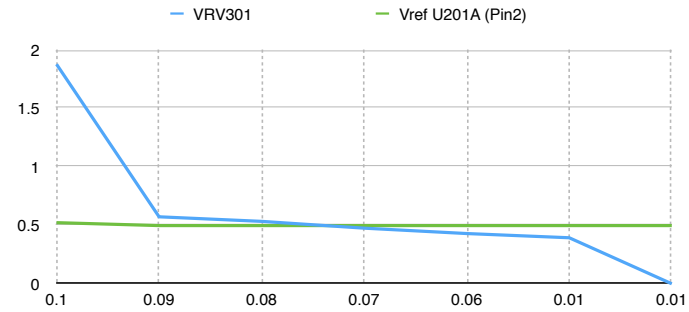
I _{Max}	3.09	A
VR203	0.357	V



Voltage control cut off - Self Powered Configuration

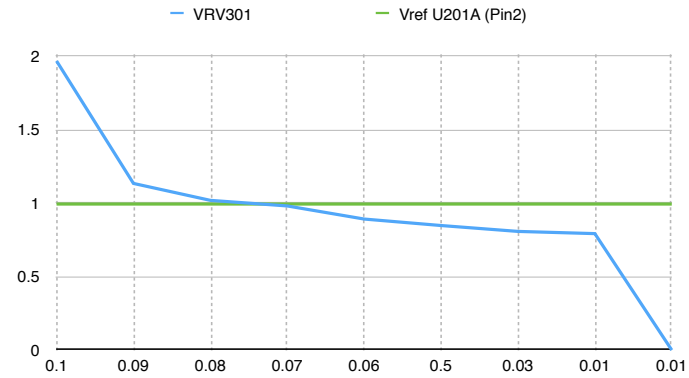
Voltage Control @ 5Vbatt.

Iload	VRV301	Vref U201A (Pin2)
0.1	1.875	0.522
0.09	0.572	0.497
0.08	0.533	0.497
0.07	0.475	0.497
0.06	0.429	0.497
0.01	0.393	0.497
0.01	0	0.497



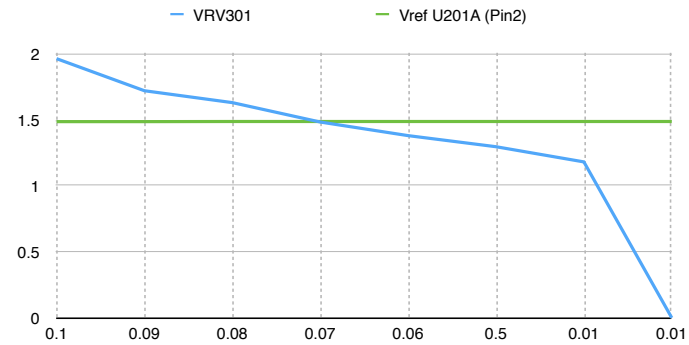
Voltage Control @ 10Vbatt

Iload	VRV301	Vref U201A (Pin2)
0.1	1.964	0.992
0.09	1.132	0.992
0.08	1.017	0.992
0.07	0.979	0.992
0.06	0.890	0.992
0.5	0.846	0.992
0.03	0.806	0.992
0.01	0.791	0.992
0.01	0	0.992



Voltage Control @ 15Vbatt

Iload	VRV301	Vref U201A (Pin2)
0.1	1.963	1.486
0.09	1.72	1.486
0.08	1.630	1.487
0.07	1.483	1.487
0.06	1.38	1.487
0.5	1.296	1.487
0.01	1.181	1.487
0.01	0	1.487



Constant Current - External Powered Configuration

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

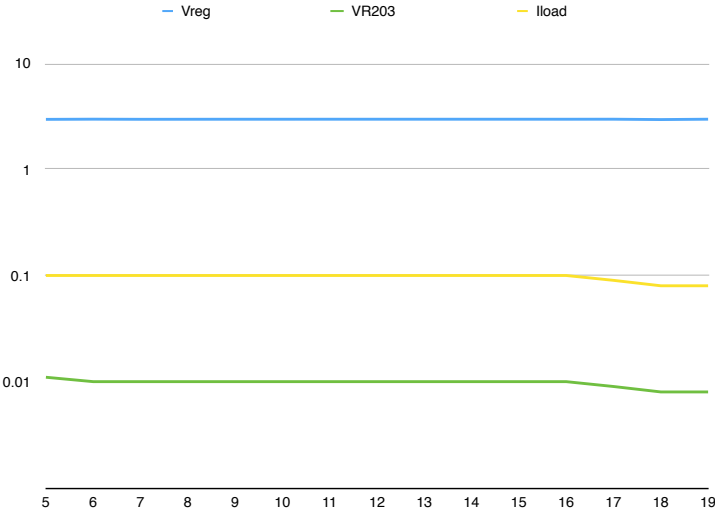
Parameter	Value	Unit
Initial Vbatt	5	V
Initial Iload	100	mA
Vcc	7.5	V

CSOS Performance Fixed Load

Vbat	Vreg	VR203	Iload
5	2.956	0.011	0.1
6	2.968	0.01	0.1
7	2.96	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	2.965	0.01	0.1
12	2.965	0.01	0.1
13	2.965	0.01	0.1
14	2.965	0.01	0.1
15	2.965	0.01	0.1
16	2.964	0.01	0.1
17	2.966	0.009	0.09
18	2.943	0.008	0.08
19	2.966	0.008	0.08

Maximim Load @ 5V

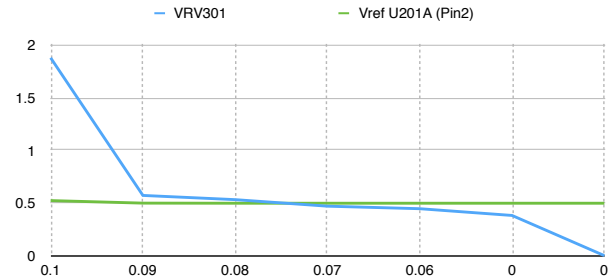
IMax	3.07	A
VR203	0.357	V
Vcc	7.5	V



Voltage control cut off - External Powered Configuration

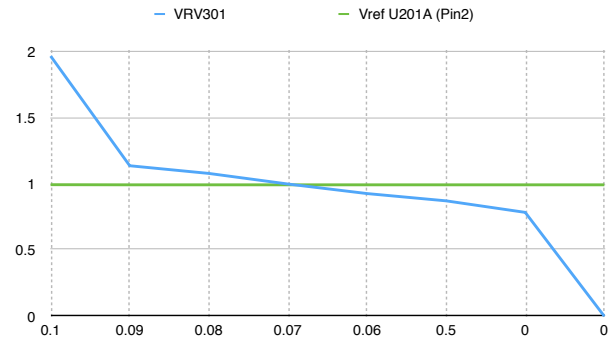
Voltage Control @ 5Vbatt.

Iload	VRV301	Vref U201A (Pin2)
0.1	1.877	0.522
0.09	0.571	0.498
0.08	0.531	0.497
0.07	0.469	0.497
0.06	0.445	0.497
0	0.381	0.497
0	0	0.497



Voltage Control @ 10Vbatt

Iload	VRV301	Vref U201A (Pin2)
0.1	1.964	0.993
0.09	1.136	0.992
0.08	1.078	0.992
0.07	0.998	0.992
0.06	0.926	0.992
0.5	0.871	0.992
0	0.784	0.992
0	0	0.992



Voltage Control @ 15Vbatt

Iload	VRV301	Vref U201A (Pin2)
0.1	1.967	1.487
0.09	1.714	1.487
0.08	1.616	1.487
0.07	1.439	1.487
0.06	1.389	1.487
0.5	1.279	1.487
0	1.123	1.487
0	0	1.487

