

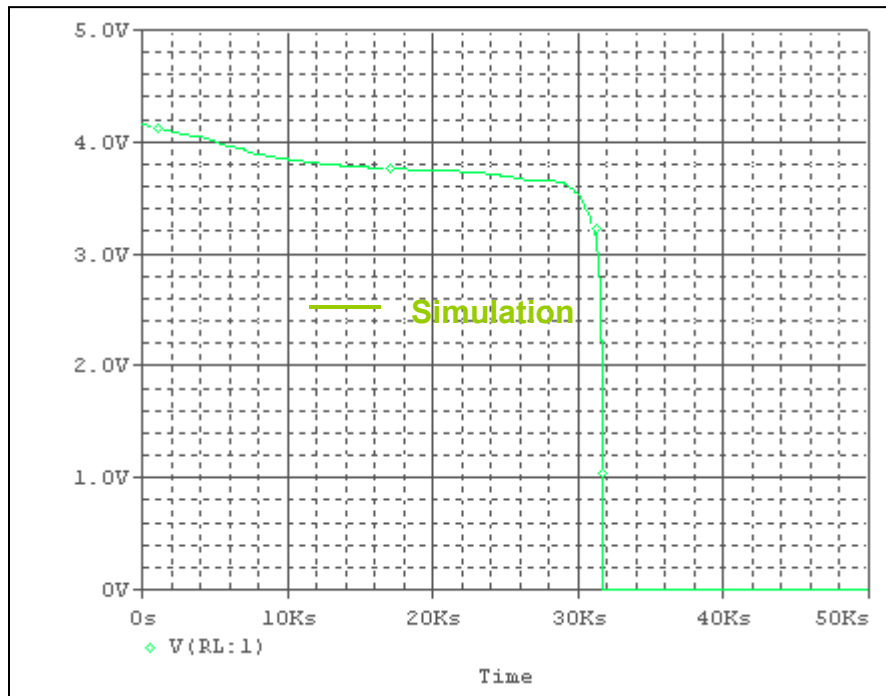
Device Modeling Report

COMPONENTS: Lithium-ion
PART NUMBER:BLB-2
MANUFACTURER: NOKIA
CONDITION :RL= 51 (Ω)



Bee Technologies Inc.

Simulation result



Comparison Table

Time(kSeconds)	Vdc(V) Measurement	Vdc(V) Simulation	% Error
0	4.16795	4.1639	-0.09717
0.5	4.13750	4.1452	0.18610
1	4.12541	4.1240	-0.03418
1.1	4.12235	4.1240	0.04003
1.2	4.11934	4.1173	-0.04952
1.3	4.11622	4.1140	-0.05393
1.4	4.11312	4.1099	-0.07829
1.5	4.11000	4.1075	-0.06083
1.6	4.10687	4.1044	-0.06014
1.7	4.10377	4.1013	-0.06019
1.8	4.10067	4.0983	-0.05780
1.9	4.09764	4.0953	-0.05711
2	4.09431	4.0860	-0.20296
2.1	4.09125	4.0895	-0.04277
2.2	4.08828	4.0866	-0.04109
2.3	4.08532	4.0839	-0.03476
2.4	4.08242	4.0812	-0.02988
2.5	4.07949	4.0785	-0.02427
2.6	4.07656	4.0759	-0.01619
2.7	4.07369	4.0734	-0.00712
2.8	4.07084	4.0709	0.00147
2.9	4.06810	4.0685	0.00983
3	4.06547	4.0662	0.01796
3.1	4.06292	4.0639	-0.02412
3.2	4.06045	4.0617	-0.03078
3.3	4.05822	4.0595	-0.03154
3.4	4.05640	4.0554	0.02465
3.5	4.05486	4.0535	0.03354
3.6	4.05350	4.0516	0.04687
3.7	4.05203	4.0498	0.05503
3.8	4.05018	4.0481	0.05136
3.9	4.04874	4.0465	0.05533
4	4.04705	4.0461	0.02347
4.2	4.04310	4.0414	0.04205
4.4	4.03736	4.0304	0.17239
4.6	4.02887	4.0251	0.09357
4.8	4.01768	4.0148	0.07168
5	4.00582	4.0042	0.04044
5.2	3.99484	3.9929	0.04856
5.4	3.98444	3.9826	0.04618

5.6	3.97537	3.9737	0.04201
5.8	3.96844	3.9668	0.04133
6	3.96235	3.9616	0.01893
6.2	3.95735	3.9566	0.01895
6.4	3.95300	3.9527	0.00759
6.6	3.94920	3.9491	0.00253
6.8	3.94567	3.9428	0.07274
7	3.93993	3.9227	0.43732
7.2	3.91882	3.9070	0.30162
7.4	3.90592	3.9023	0.09268
7.6	3.89991	3.8970	0.07462
7.8	3.89504	3.8930	0.05237
8	3.89040	3.8893	0.02827
8.2	3.88576	3.8843	0.03757
8.4	3.88108	3.8794	0.04329
8.6	3.87631	3.8747	0.04153
8.8	3.87146	3.8701	0.03513
9	3.86667	3.8656	0.02767
9.5	3.85488	3.8549	-0.00052
10	3.84395	3.8450	-0.02732
10.5	3.83401	3.8339	0.00287
11	3.82529	3.8243	0.02588
11.5	3.81760	3.8176	0.00000
12	3.81049	3.8079	0.06797
12.5	3.80407	3.8036	0.01236
13	3.79812	3.7974	0.01896
13.5	3.79247	3.7917	0.02030
14	3.78718	3.7854	0.04700
14.5	3.78233	3.7807	0.04310
15	3.77760	3.7763	0.03441
15.5	3.77320	3.7723	0.02385
16	3.76912	3.7665	0.06951
16.5	3.76515	3.7658	-0.01726
17	3.76145	3.7614	0.00133
17.5	3.75810	3.7584	-0.00798
18	3.75490	3.7557	-0.02131
18.5	3.75213	3.7531	-0.02585
19	3.74987	3.7503	-0.01147
19.5	3.74796	3.7482	-0.00640
20	3.74609	3.7458	0.00774
20.5	3.74408	3.7430	0.02885
21	3.74173	3.7406	0.03020
21.5	3.73878	3.7381	0.01819
22	3.73513	3.7324	0.07309
22.5	3.73048	3.7307	-0.00590

23	3.72529	3.7260	-0.01906
23.5	3.72005	3.7189	0.03091
24	3.71369	3.7116	0.05628
24.5	3.70451	3.7033	0.03266
25	3.69445	3.6934	0.02842
25.5	3.68484	3.6830	0.04993
26	3.67098	3.6607	0.28003
26.5	3.66495	3.6623	0.07231
27	3.66234	3.6587	0.09939
28	3.65591	3.6516	0.11789
29	3.63752	3.6280	0.26172
29.5	3.59978	3.5834	0.45503
30	3.53151	3.5250	0.18434
30.5	3.43237	3.4153	0.49732
31	3.27296	3.2107	1.90225
31.1	3.22563	3.1863	1.21930
31.2	3.16604	3.1699	-0.12192
31.3	3.05646	3.1372	-2.64162
31.4	2.80678	2.9082	-3.61339
31.5	2.56529	2.5646	0.02690
31.51	2.54439	2.4011	5.63161
31.52	2.52395	2.3847	5.51715
31.53	2.50396	2.3520	6.06879
31.54	2.48441	2.3356	5.98975
31.55	2.46528	2.3193	5.92144
31.56	2.44659	2.3029	5.87307
31.57	2.42835	2.2702	6.51265
31.58	2.41053	2.2538	6.50189
31.59	2.39315	2.2375	6.50398
31.6	2.37619	2.2211	6.52683
31.61	2.35968	2.1884	7.25861
31.62	2.34358	2.1720	7.32128
31.63	2.32786	2.1557	7.39563
31.64	0.00000	0.0000	0
31.65	0.00000	0.0000	0
31.7	0.00000	0.0000	0
31.8	0.00000	0.0000	0
32	0.00000	0.0000	0
32.5	0.00000	0.0000	0
33	0.00000	0.0000	0
33.5	0.00000	0.0000	0
34	0.00000	0.0000	0
34.5	0.00000	0.0000	0
35	0.00000	0.0000	0
36	0.00000	0.0000	0

37	0.00000	0.0000	0
38	0.00000	0.0000	0
39	0.00000	0.0000	0
40	0.00000	0.0000	0
41	0.00000	0.0000	0
42	0.00000	0.0000	0
43	0.00000	0.0000	0
44	0.00000	0.0000	0
45	0.00000	0.0000	0
46	0.00000	0.0000	0
47	0.00000	0.0000	0
48	0.00000	0.0000	0
49	0.00000	0.0000	0
50	0.00000	0.0000	0

Comparison Graph

