

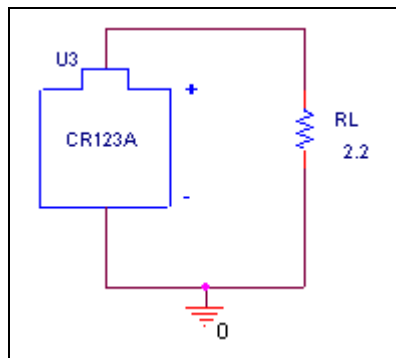
Device Modeling Report

COMPONENTS: Lithium
PART NUMBER: CR123A
MANUFACTURER: FUJI FILMS
Remark: $RL = 2.2 \text{ } (\Omega)$

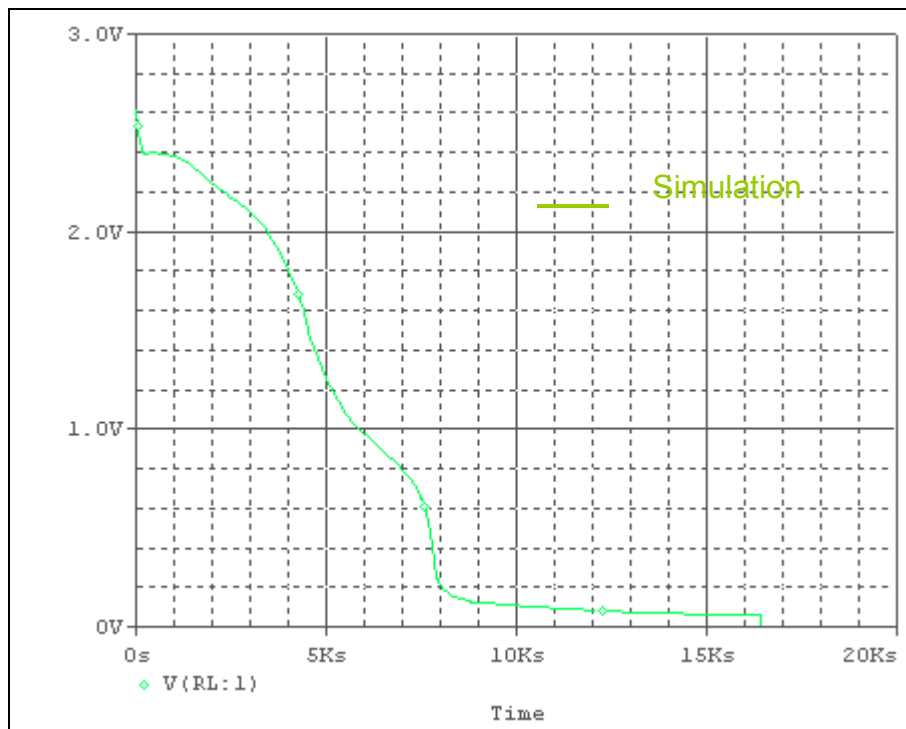


Bee Technologies Inc.

Evaluation circuit



Simulation result



Comparison Table

Time(ksec)	Vdc(V)Measurement	Vdc(V)Simulation	%Error
0.02	2.56951	2.5234	-1.79451
0.05	2.54231	2.5172	-0.98768
0.10	2.45865	2.4380	-0.83989
0.20	2.39431	2.3905	-0.15913
0.40	2.39059	2.3975	0.28905
0.50	2.39833	2.3974	-0.03878
0.60	2.40058	2.3956	-0.20745
0.70	2.39738	2.3928	-0.19104
0.80	2.39182	2.3889	-0.12208
0.90	2.38476	2.3838	-0.04026
1.00	2.37651	2.3776	0.04587
1.20	2.35674	2.3594	0.11287
1.30	2.34661	2.3494	0.11889
1.40	2.33596	2.3362	0.01027
1.50	2.32500	2.3259	0.03871
1.60	2.31369	2.3114	-0.09898
1.70	2.30041	2.2940	-0.27865
1.80	2.28666	2.2779	-0.38309
1.90	2.25480	2.2607	0.26166
2.00	2.24253	2.2380	-0.20200
2.10	2.22374	2.2243	0.02518
2.20	2.21435	2.2090	-0.24161
2.30	2.20191	2.1980	-0.17757
2.40	2.18882	2.1849	0.17909
2.50	2.17536	2.1719	0.15905
2.60	2.16135	2.1554	0.27529
2.70	2.14718	2.1418	0.25056
2.80	2.12881	2.1276	0.05684
2.90	2.10666	2.1126	-0.28196
3.00	2.09817	2.0965	0.07959
3.10	2.07435	2.0745	-0.00723
3.20	2.06030	2.0552	0.24754
3.30	2.02519	2.0343	-0.44983
3.40	2.01335	2.0111	0.11175
3.50	1.99018	1.9858	0.22008
3.60	1.94511	1.9552	-0.51874
3.70	1.92673	1.9235	0.16764
3.80	1.89455	1.8854	0.48296
3.90	1.85670	1.8481	0.46319
4.00	1.80964	1.8074	0.12378
4.10	1.76249	1.7573	0.29447

4.20	1.71036	1.7098	0.03274
4.30	1.65190	1.6544	-0.15134
4.40	1.59077	1.5801	0.67074
4.50	1.52914	1.5277	0.09417
4.60	1.46844	1.4644	0.27512
4.70	1.40196	1.4011	0.06134
4.80	1.35220	1.3377	1.07233
4.90	1.30186	1.2744	2.10929
5.00	1.25811	1.2110	3.74451
5.10	1.21387	1.2149	-0.08485
5.20	1.18378	1.1726	0.94443
5.30	1.14248	1.1453	-0.24683
5.40	1.11288	1.1470	-3.06592
5.50	1.09148	1.0877	0.34632
5.60	1.05956	1.0607	-0.10759
5.70	1.04159	1.0345	0.68069
5.80	1.02246	1.0137	0.85676
5.90	1.00569	0.9940	1.16239
6.00	0.98673	0.9760	1.08743
6.10	0.95452	0.9570	-0.25982
6.20	0.94186	0.9352	0.70711
6.30	0.91664	0.9219	-0.57383
6.40	0.90832	0.9031	0.57469
6.50	0.89327	0.8899	0.37727
6.60	0.86284	0.8707	-0.91095
6.70	0.85541	0.8521	0.38695
6.80	0.82956	0.8299	-0.04099
6.90	0.81281	0.8153	-0.30634
7.00	0.79786	0.7944	0.43366
7.10	0.77553	0.7678	0.99674
7.20	0.75334	0.7440	1.23981
7.40	0.69053	0.6868	0.54016
7.50	0.65252	0.6547	-0.33409
7.60	0.61138	0.6094	0.32386
7.70	0.54065	0.5008	7.37076
7.80	0.41379	0.4274	-3.28911
7.90	0.25165	0.2453	2.52335
8.00	0.20620	0.2216	-7.46848
8.20	0.16735	0.1688	-0.86645
8.40	0.14395	0.1473	-2.32720
8.60	0.13508	0.1393	-3.12407
8.80	0.12635	0.1266	-0.19786
8.90	0.12149	0.1232	-1.40752
9.00	0.11766	0.1197	-1.73381
9.20	0.11671	0.1166	0.09425

9.40	0.11555	0.1133	1.94721
9.60	0.11363	0.1105	2.75455
9.80	0.11018	0.1077	2.25086
10.50	0.10072	0.1007	0.01986
11.00	0.09366	0.0943	-0.68332
11.50	0.08705	0.0885	-1.66571
12.00	0.08194	0.0832	-1.53771
12.50	0.07788	0.0785	-0.79610
13.00	0.07447	0.0743	0.22828
15.00	0.06836	0.0676	1.11176
15.00	0.06380	0.0630	1.25392
16.00	0.06114	0.0608	0.55610
16.40	0.06003	0.0605	-0.78294

Comparison Graph

