

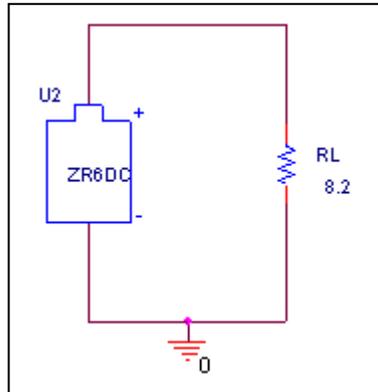
Device Modeling Report

COMPONENTS: NICKEL MANGANESE
PART NUMBER: ZR6DC
MANUFACTURER: SONY
REMARK: $RL = 8.2(\Omega)$

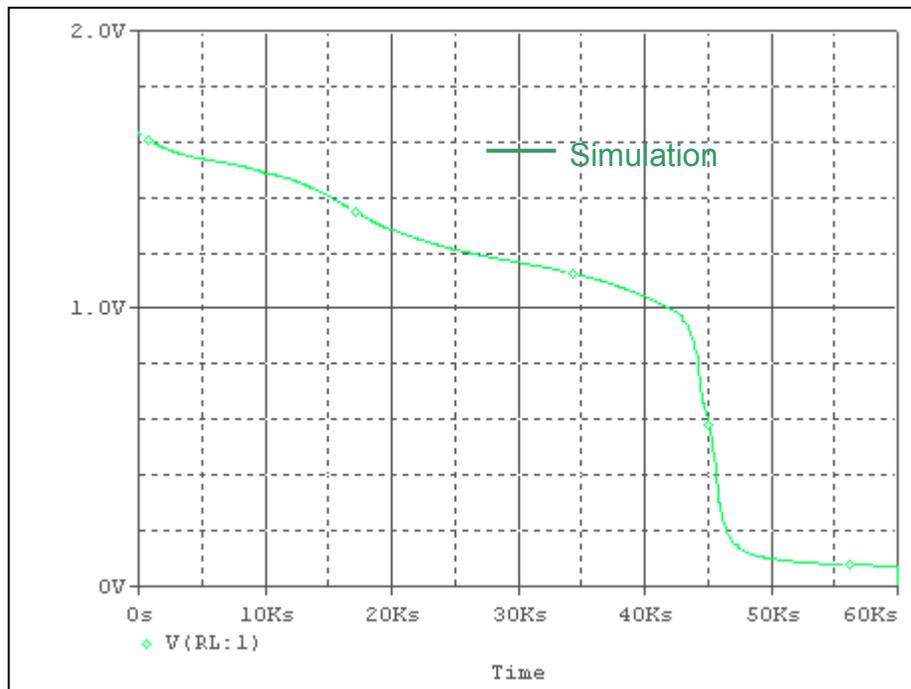


Bee Technologies Inc.

Evaluation circuit



Simulation result



Comparison Table

Time (kSec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
0.07	1.645558	1.6302	0.933
1	1.600864	1.6019	-0.065
2	1.579173	1.5776	0.100
3	1.560043	1.5603	-0.016
4	1.54807	1.5484	-0.021
5	1.540355	1.5387	0.107
6	1.531851	1.5308	0.069
7	1.522637	1.5231	-0.030
8	1.513017	1.5142	-0.078
9	1.50203	1.5029	-0.058
10	1.490385	1.4848	0.375
11	1.477658	1.4785	-0.057
12	1.463693	1.4663	-0.178
13	1.447212	1.4483	-0.075
14	1.429549	1.4281	0.101
15	1.40834	1.4043	0.287
16	1.380914	1.3788	0.153
17	1.350753	1.3526	-0.137
18	1.32277	1.3268	-0.305
19	1.302731	1.3025	0.018
20	1.284543	1.2845	0.003
21	1.267755	1.2682	-0.035
22	1.252171	1.2516	0.046
23	1.237703	1.2371	0.049
24	1.224636	1.2244	0.019
25	1.213474	1.2127	0.064
26	1.203088	1.2021	0.082
27	1.19349	1.1924	0.091
28	1.184254	1.1833	0.081
29	1.175203	1.1747	0.043
30	1.166328	1.1662	0.011
31	1.157255	1.1577	-0.038
32	1.147876	1.1490	-0.098
33	1.138213	1.1397	-0.131
34	1.128101	1.1298	-0.151
35	1.117343	1.1190	-0.148
36	1.105863	1.1070	-0.103
37	1.093431	1.0937	-0.025

Time (kSec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
38	1.079729	1.0787	0.095
39	1.064255	1.0620	0.212
40	1.046482	1.0431	0.323
41	1.025261	1.0216	0.357
42	0.998841	0.9986	0.024
43	0.9587373	0.971603	-1.342
44	0.8628955	0.85816	0.549
45	0.5926596	0.599623	-1.175
46	0.2795362	0.275759	1.351
47	0.1573238	0.156499	0.524
48	0.123852	0.12069	2.553
49	0.1087514	0.107568	1.088
50	0.0994649	0.09985	-0.387
51	0.09319632	0.093579	-0.411
52	0.0886159	0.08863	-0.016
53	0.08497056	0.084798	0.203
54	0.08203538	0.081882	0.187
55	0.07965505	0.079677	-0.028
56	0.07799247	0.077980	0.016
57	0.07639464	0.076586	-0.250
58	0.07494994	0.075294	-0.459
59	0.07375363	0.073898	-0.196
60	0.07263821	0.072323	0.434

Comparison Graph

