

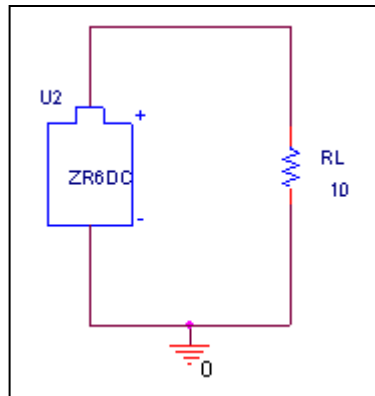
Device Modeling Report

COMPONENTS: NICKEL MANGANESE
PART NUMBER: ZR6DC
MANUFACTURER: SONY
REMARK: $RL = 10(\Omega)$

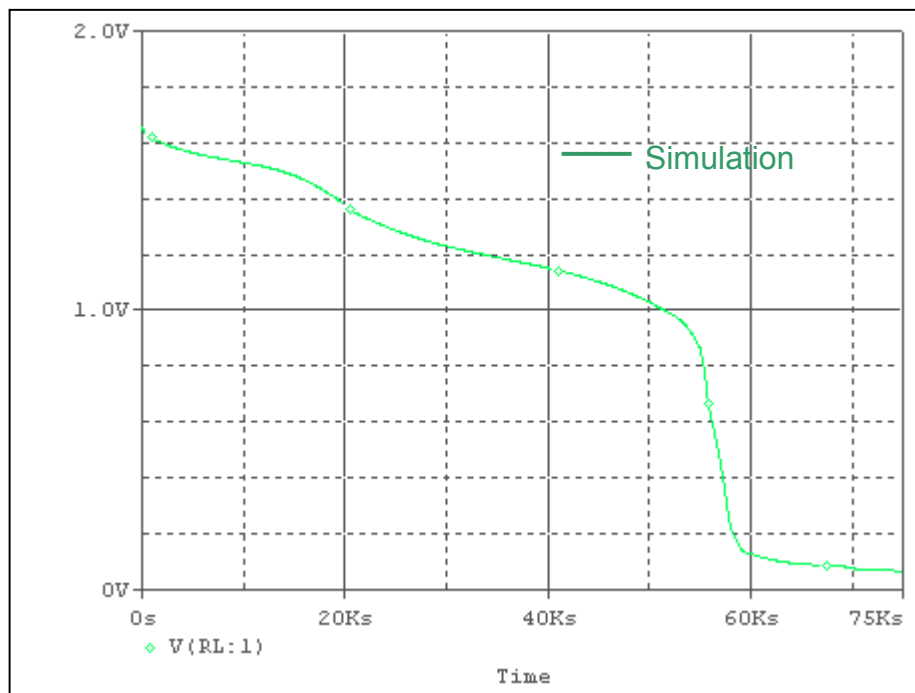


Bee Technologies Inc.

Evaluation Circuit



Simulation result



Comparison Table

Time (kSec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
0	1.650362	1.6526	-0.136
1	1.615244	1.617	-0.109
2	1.599616	1.5999	-0.018
3	1.583452	1.5856	-0.136
4	1.570801	1.5736	-0.178
5	1.563085	1.5636	-0.033
6	1.557011	1.5552	0.116
7	1.550631	1.5479	0.176
8	1.544251	1.54133	0.189
9	1.536831	1.5351	0.113
10	1.529269	1.5289	0.024
11	1.520919	1.5221	-0.078
12	1.512437	1.5145	-0.136
13	1.502643	1.5057	-0.203
14	1.492957	1.4951	-0.144
15	1.482199	1.4825	-0.020
16	1.468903	1.4674	0.102
17	1.452279	1.4494	0.198
18	1.430205	1.4274	0.196
19	1.402058	1.4031	-0.074
20	1.371951	1.3711	0.062
21	1.349484	1.3498	-0.023
22	1.330945	1.3316	-0.049
23	1.314693	1.3152	-0.039
24	1.299996	1.2996	0.030
25	1.286163	1.2855	0.052
26	1.272603	1.2726	0.000
27	1.260029	1.2606	-0.045
28	1.248734	1.2496	-0.069
29	1.238469	1.2392	-0.059
30	1.229211	1.2299	-0.056
31	1.22062	1.221	-0.031
32	1.212598	1.2126	0.000
33	1.205058	1.2047	0.030
34	1.197572	1.197	0.048
35	1.190196	1.1895	0.058
36	1.182743	1.1821	0.054
37	1.175509	1.1747	0.069

Time (kSec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
38	1.16775	1.1672	0.047
39	1.159739	1.1594	0.029
40	1.151499	1.1513	0.017
41	1.142787	1.1428	-0.001
42	1.133398	1.1338	-0.035
43	1.123614	1.1241	-0.043
44	1.112955	1.1137	-0.067
45	1.101617	1.1025	-0.080
46	1.0896	1.0903	-0.064
47	1.076698	1.077	-0.028
48	1.062887	1.0626	0.027
49	1.047784	1.0469	0.084
50	1.030919	1.0309	0.002
51	1.012304	1.0098	0.247
52	0.9912501	0.990189	0.107
53	0.9651829	0.96509	0.010
54	0.9279726	0.92573	0.242
55	0.8623749	0.857718	0.540
56	0.642225	0.630845	1.772
57	0.4720439	0.451668	4.317
58	0.2444862	0.233001	4.698
59	0.1561992	0.150904	3.390
60	0.1300334	0.128992	0.801
61	0.1164628	0.116905	-0.380
62	0.1075414	0.107675	-0.124
63	0.1013084	0.100867	0.436
64	0.0966449	0.095826	0.847
65	0.0926726	0.092234	0.473
66	0.0896809	0.08968	0.001
67	0.0872726	0.087596	-0.371
68	0.0861904	0.085588	0.699
69	0.0835829	0.083561	0.026
70	0.077676	0.077193	0.622
71	0.0740427	0.073879	0.221
72	0.0713415	0.072045	-0.986
73	0.0696746	0.068433	1.782
74	0.0686691	0.075011	-9.236
75	0.0668084	0.06504	2.647

Comparison Graph

