

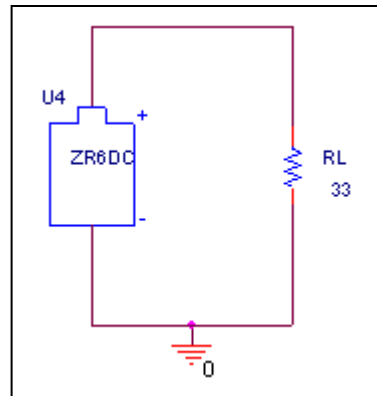
Device Modeling Report

COMPONENTS: NICKEL MANGANESE
PART NUMBER: ZR6DC
MANUFACTURER: SONY
REMARK: RL =33(Ω)

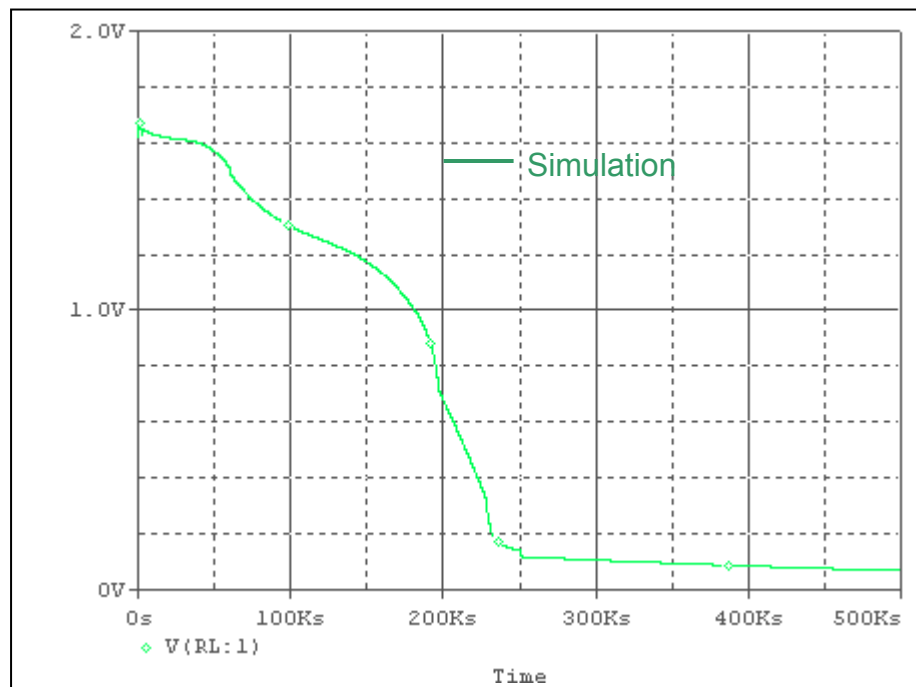


Bee Technologies Inc.

Evaluation circuit



Simulation result



Comparison Table

Time (kSec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
0	1.687013	1.6207	3.931
5	1.642089	1.6394	0.164
10	1.629449	1.6299	-0.028
15	1.62216	1.6222	-0.002
20	1.617925	1.6174	0.032
25	1.614281	1.614	0.017
30	1.610976	1.6106	0.023
35	1.605558	1.6049	0.041
40	1.596979	1.5981	-0.070
45	1.584962	1.5862	-0.078
50	1.569115	1.5654	0.237
55	1.547063	1.5395	0.489
60	1.503781	1.505	-0.081
65	1.453778	1.4726	-1.295
70	1.4211	1.4308	-0.683
75	1.396126	1.3943	0.131
80	1.373899	1.3577	1.179
85	1.350895	1.3212	2.198
90	1.329938	1.3316	-0.125
95	1.31327	1.3151	-0.139
100	1.301002	1.3004	0.046
105	1.2866	1.2872	-0.047
110	1.274245	1.2751	-0.067
115	1.26422	1.2637	0.041
120	1.254677	1.2527	0.158
125	1.243853	1.2417	0.173
130	1.231837	1.2303	0.125
135	1.218387	1.2181	0.024
140	1.203613	1.2048	-0.099
145	1.187843	1.19	-0.182
150	1.170771	1.1732	-0.207
155	1.152199	1.1542	-0.174
160	1.132008	1.1325	-0.043
165	1.109365	1.1078	0.141
170	1.084172	1.0797	0.412
175	1.046383	1.0478	-0.135
180	1.010848	1.0117	-0.084
185	0.9678812	0.966057	0.188

Time (kSec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
190	0.9042256	0.903394	0.092
195	0.8008872	0.798956	0.241
200	0.675653	0.670746	0.726
205	0.6238561	0.616188	1.229
210	0.5605644	0.558747	0.324
215	0.4937282	0.501306	-1.535
220	0.4362387	0.443864	-1.748
225	0.370675	0.381201	-2.840
230	0.2551317	0.32376	-26.899
235	0.1753343	0.266319	-51.892
240	0.1564678	0.203655	-30.158
245	0.1487837	0.146214	1.727
250	0.1414132	0.141163	0.177
255	0.1385986	0.117433	15.271
260	0.1198483	0.116139	3.095
300	0.1064344	0.106286	0.139
400	0.08473149	0.085158	-0.503
500	0.06981192	0.06823	2.266

Comparison Graph

