

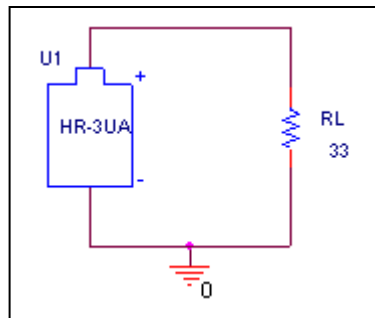
Device Modeling Report

COMPONENTS: NICKEL METAL HYDRIDE (Ni-MH)
PART NUMBER: HR-3UA
MANUFACTURER: SANYO
CONDITION: RL= 33 (Ω)

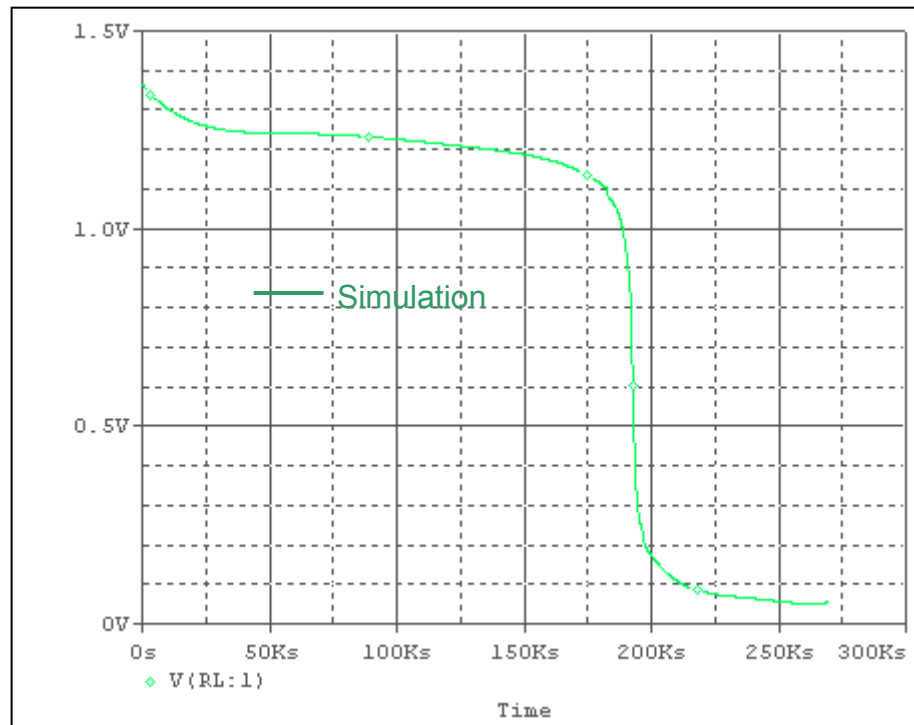


Bee Technologies Inc.

Evaluation circuit



Simulation result



Comparison Table

Time (kSec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
0	1.380903	1.3639	1.231
5	1.331306	1.3302	0.083
10	1.303333	1.304	-0.051
15	1.280165	1.2842	-0.315
20	1.26468	1.2696	-0.389
25	1.256723	1.2592	-0.197
30	1.252423	1.252	0.034
35	1.249665	1.2472	0.197
40	1.247706	1.2442	0.281
45	1.245999	1.2425	0.281
50	1.24462	1.2415	0.251
55	1.242715	1.2409	0.146
60	1.240975	1.2403	0.054
65	1.239498	1.2397	-0.016
70	1.237616	1.2389	-0.104
75	1.235591	1.2376	-0.163
80	1.232702	1.236	-0.268
85	1.230622	1.234	-0.274
90	1.228806	1.2315	-0.219
95	1.227339	1.2288	-0.119
100	1.225282	1.2258	-0.042
105	1.222655	1.2226	0.004
110	1.219777	1.2192	0.047
115	1.219274	1.2158	0.285
120	1.214885	1.2123	0.213
125	1.213112	1.2088	0.355
130	1.207487	1.2052	0.189
135	1.202223	1.2014	0.068
140	1.197003	1.1973	-0.025
145	1.191487	1.1928	-0.110
150	1.185654	1.1875	-0.156
155	1.179241	1.1811	-0.158
160	1.17204	1.1732	-0.099
165	1.163985	1.1631	0.076
170	1.151258	1.1504	0.075
175	1.133956	1.1343	-0.030
180	1.115887	1.1139	0.178
185	1.083023	1.0646	1.701

Time (kSec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
190	0.9659512	0.9449	2.179
195	0.2731586	0.2802	-2.578
200	0.1586412	0.1728	-8.925
205	0.117778	0.1353	-14.877
210	0.0943992	0.1093	-15.785
215	0.078764	0.09227	-17.147
220	0.0674851	0.081595	-20.908
225	0.0589412	0.074758	-26.835
230	0.0523837	0.070385	-34.364
235	0.0472626	0.066975	-41.708
240	0.0431027	0.063837	-48.104
245	0.0396477	0.060401	-52.344
250	0.0361548	0.056823	-57.166
255	0.0307808	0.053382	-73.426
260	0.0295705	0.05105	-72.638
265	0.0287091	0.051132	-78.104
270	0.0264228	0.055345	-109.459

Comparison Graph

