

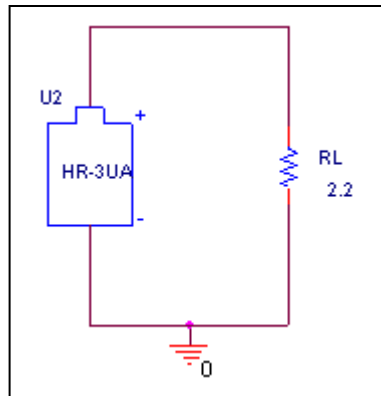
Device Modeling Report

COMPONENTS: NICKEL METAL HYDRIDE (Ni-MH)
PART NUMBER: HR-3UA
MANUFACTURER: SANYO
CONDITION: $RL = 2.2\ (\Omega)$

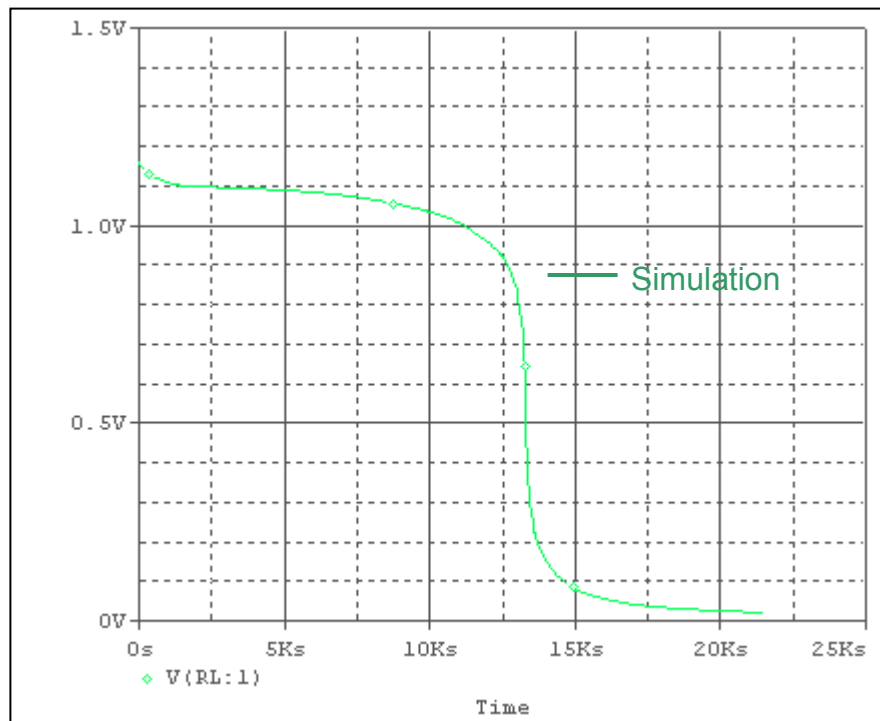


Bee Technologies Inc.

Evaluation circuit



Simulation result



Comparison Table

Time (kSec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
0.0	1.154785	1.1582	-0.296
0.5	1.123237	1.1232	0.003
1.0	1.109036	1.1092	-0.015
1.5	1.100878	1.1001	0.071
2.0	1.100131	1.0988	0.121
2.5	1.096912	1.0975	-0.054
3.0	1.097138	1.0962	0.085
3.5	1.09366	1.0949	-0.113
4.0	1.093225	1.0934	-0.016
4.5	1.093072	1.0916	0.135
5.0	1.091275	1.0896	0.153
5.5	1.087509	1.0871	0.038
6.0	1.083931	1.0842	-0.025
6.5	1.080201	1.0807	-0.046
7.0	1.076068	1.0766	-0.049
7.5	1.071617	1.0719	-0.026
8.0	1.066157	1.0663	-0.013
8.5	1.059336	1.0599	-0.053
9.0	1.052604	1.0526	0.000
9.5	1.044441	1.0442	0.023
10.0	1.034896	1.0348	0.009
10.5	1.023022	1.0228	0.022
11.0	1.006167	1.0062	-0.003
11.5	0.9840231	0.984288	-0.027
12.0	0.9568598	0.956617	0.025
12.5	0.9208892	0.921937	-0.114
13.0	0.8280833	0.8345	-0.775
13.5	0.2636662	0.2684	-1.795
14.0	0.1519567	0.152512	-0.365
14.5	0.105607	0.106272	-0.630
15.0	0.0800371	0.078484	1.941
15.5	0.0648112	0.06544	-0.970
16.0	0.0545857	0.055153	-1.039
16.5	0.0470918	0.047223	-0.279
17.0	0.0414225	0.041253	0.409
17.5	0.0370368	0.036844	0.521
18.0	0.0335679	0.033598	-0.090
18.5	0.0307644	0.031117	-1.146

Time (kSec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
19.0	0.0284581	0.029003	-1.915
19.5	0.0265181	0.026856	-1.274
20.0	0.0248622	0.024768	0.379
20.5	0.0234259	0.023466	-0.171
21.0	0.0221718	0.022182	-0.046
21.5	0.0210564	0.020998	0.277

Comparison Graph

