

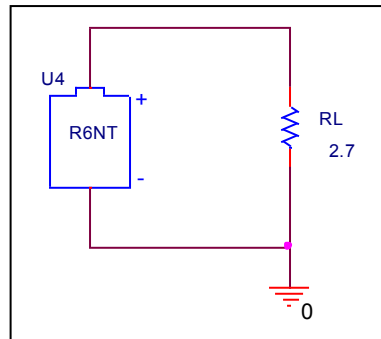
Device Modeling Report

COMPONENTS: Manganese Cell
PART NUMBER: R6NT
MANUFACTURER: PANASONIC
CONDITION: $RL = 2.7(\Omega)$

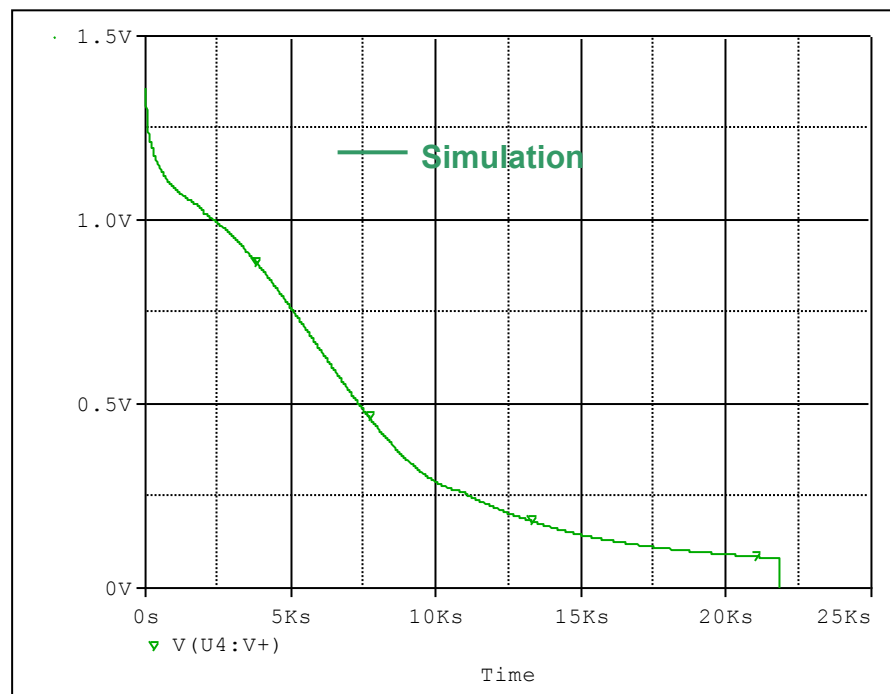


Bee Technologies Inc.

Evaluation Circuit



Simulation result



Comparison Table

Time (Sec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
10.136	1.34332	1.3433	-0.00164
50.002	1.28422	1.2889	0.36481
100.002	1.24613	1.2409	-0.41970
200.002	1.20208	1.2026	0.04318
300.002	1.17621	1.1733	-0.24740
400.002	1.15794	1.1354	-1.94690
500.002	1.13883	1.1433	0.39286
600.002	1.12419	1.1249	0.06280
700.002	1.11292	1.113	0.00701
800.002	1.10340	1.1027	-0.06353
900.002	1.09523	1.0938	-0.13020
1000.002	1.08753	1.0857	-0.16845
1200.002	1.07303	1.0709	-0.19860
1400.002	1.06045	1.0591	-0.12693
1600.002	1.04921	1.0498	0.05652
1800.002	1.03811	1.0385	0.03757
2000.002	1.02537	1.0228	-0.25074
2200.002	1.01154	1.0107	-0.08284
2400.002	0.99727	0.9966	-0.06668
2600.002	0.98229	0.983906	0.16502
2800.002	0.96711	0.96884	0.17899
3000.002	0.95186	0.955517	0.38398
3500.002	0.91157	0.913672	0.23103
4000.002	0.86503	0.866774	0.20173
4500.002	0.81363	0.813436	-0.02335
4800.002	0.78304	0.783223	0.02324
5000.002	0.76268	0.759439	-0.42534
5400.002	0.72176	0.716418	-0.74027
5800.002	0.67749	0.671552	-0.87589
6000.002	0.65386	0.649254	-0.70398
6200.002	0.63009	0.627387	-0.42883
6400.002	0.60644	0.600036	-1.05616
6500.002	0.59469	0.592895	-0.30150
6600.002	0.58304	0.58045	-0.44422
6800.002	0.55965	0.558846	-0.14330
7000.002	0.53720	0.534995	-0.41102
7300.002	0.50316	0.504703	0.30706
7500.002	0.48104	0.484362	0.69017

Time (Sec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
7800.002	0.44895	0.453421	0.99543
8000.002	0.42894	0.434472	1.29040
8500.002	0.38392	0.388885	1.29350
9000.002	0.34728	0.348641	0.39161
9500.002	0.31806	0.313367	-1.47551
10000.002	0.29471	0.288339	-2.16311
10500.002	0.27566	0.270359	-1.92444
11000.002	0.25610	0.256069	-0.01015
11500.002	0.23721	0.237142	-0.02825
12000.002	0.22039	0.219641	-0.33895
12500.002	0.20394	0.203729	-0.10199
13000.002	0.18928	0.189312	0.01691
13500.002	0.17622	0.175906	-0.17819
14000.002	0.16411	0.164092	-0.00792
14500.002	0.15352	0.153518	-0.00326
15000.002	0.14472	0.144711	-0.00622
15500.002	0.13694	0.136358	-0.42719
16000.002	0.12933	0.128935	-0.30696
16500.002	0.12215	0.122348	0.16538
17000.002	0.11662	0.116504	-0.10032
17500.002	0.11194	0.111308	-0.56015
18000.002	0.10669	0.106666	-0.02624
19000.002	0.09893	0.098669	-0.26281
20000.002	0.09117	0.09176	0.64273
21000.002	0.08503	0.085186	0.18464
21800.002	0.08009	0.079824	-0.33710

Comparison Graph

