

Device Modeling Report

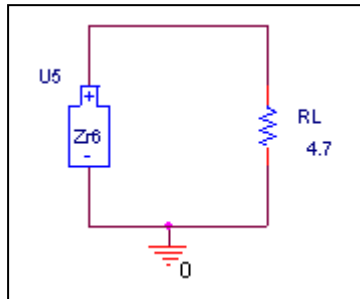
COMPONENTS: Oxyride Cell
PART NUMBER: ZR6
MANUFACTURER: PANASONIC
REMARK: RL= 4.7(Ω)



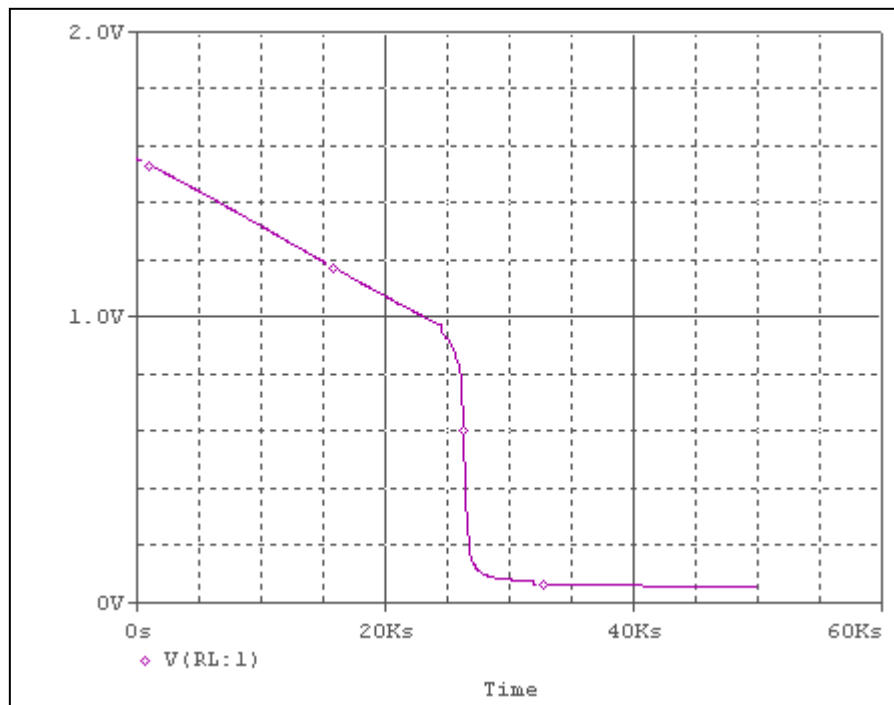
Bee Technologies Inc.

BATTERY Characteristics

Evaluation circuit



Circuit simulation result



Comparison Table

Time(Seconds)	Measurement(V)	Simulation(V)	%Error
500	1.56	1.54	-1.28205
1000	1.54	1.53	-0.64935
2000	1.5	1.5	0.00000
3000	1.48	1.48	0.00000
4000	1.46	1.46	0.00000
5000	1.43	1.44	0.69930
6000	1.41	1.41	0.00000
7000	1.39	1.39	0.00000
8000	1.37	1.37	0.00000
9000	1.35	1.34	-0.74074
10000	1.33	1.32	-0.75188
11000	1.31	1.29	-1.52672
12000	1.28	1.27	-0.78125
13000	1.25	1.24	-0.80000
14000	1.22	1.22	0.00000
15000	1.18	1.19	0.84746
16000	1.16	1.17	0.86207
17000	1.13	1.14	0.88496
18000	1.11	1.12	0.90090
19000	1.09	1.09	0.00000
20000	1.07	1.07	0.00000
21000	1.05	1.05	0.00000
22000	1.03	1.02	-0.97087
23000	1.01	1	0.99010
24000	0.979	0.981	-0.20429
25000	0.933	0.922	1.17899
26000	0.822	0.811	1.33820
28000	0.087	0.09	-3.44828
29000	0.074	0.076	-2.70270
30000	0.068	0.068	0.00000
31000	0.066	0.067	-1.51515
32000	0.064	0.064	0.00000
33000	0.063	0.063	0.00000
34000	0.063	0.063	0.00000
35000	0.063	0.063	0.00000
36000	0.062	0.062	0.00000
37000	0.062	0.061	1.61290
38000	0.061	0.061	0
39000	0.06	0.06	0
40000	0.06	0.06	0
41000	0.059	0.059	0
42000	0.058	0.058	0
43000	0.058	0.058	0

44000	0.057	0.057	0
45000	0.057	0.057	0
46000	0.056	0.056	0
47000	0.055	0.055	0
48000	0.055	0.055	0
49000	0.054	0.054	0
50000	0.054	0.054	0
44000	0.057	0.057	0
45000	0.057	0.057	0
46000	0.056	0.056	0

Comparison Graph

