

Device Modeling Report

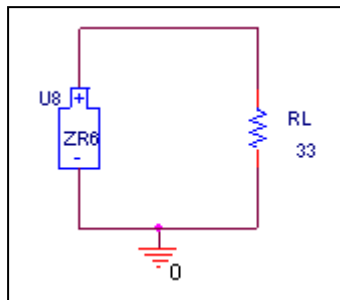
COMPONENTS: Oxyride Cell
PART NUMBER: ZR6
MANUFACTURER: PANASONIC
REMARK: RL= 33 (Ω)



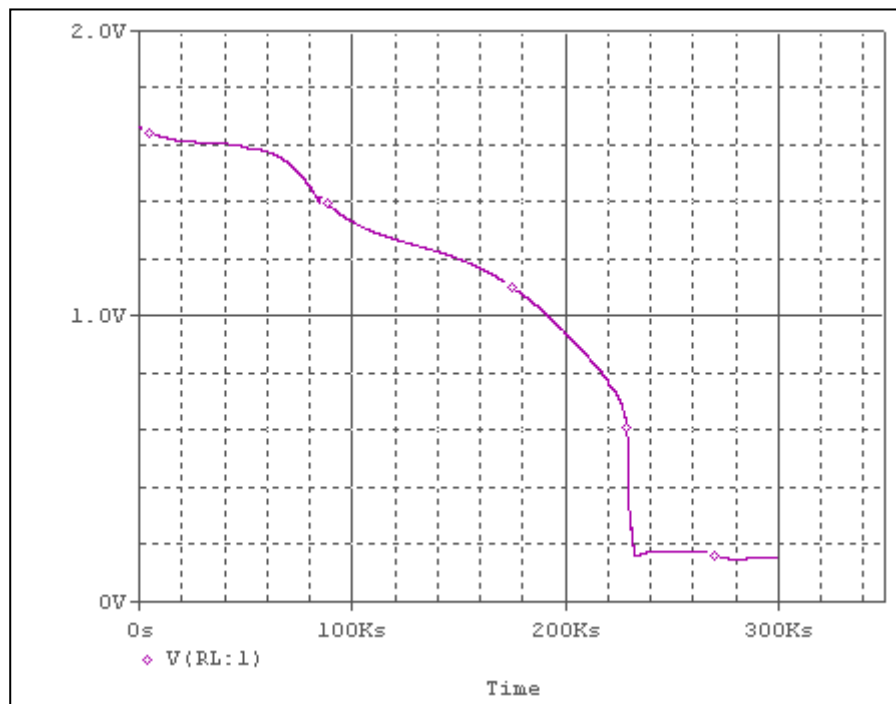
Bee Technologies Inc.

BATTERY Characteristics

Evaluation circuit



Circuit simulation result



Comparison Table

Time(Seconds)	Measurement(V)	Simulation(V)	%Error
500	1.67	1.66	-0.59880
1000	1.67	1.66	-0.59880
2000	1.65	1.65	0
3000	1.65	1.65	0
4000	1.64	1.64	0
5000	1.64	1.64	0
6000	1.64	1.64	0
7000	1.64	1.64	0
8000	1.63	1.63	0
9000	1.63	1.63	0
10000	1.63	1.63	0
11000	1.63	1.63	0
12000	1.63	1.62	-0.61350
13000	1.62	1.62	0
14000	1.62	1.62	0
15000	1.62	1.62	0
16000	1.62	1.62	0
17000	1.62	1.61	-0.61728
18000	1.62	1.61	-0.61728
19000	1.62	1.61	-0.61728
20000	1.62	1.61	-0.61728
21000	1.61	1.61	0
22000	1.61	1.61	0
23000	1.61	1.61	0
24000	1.61	1.61	0
25000	1.61	1.61	0
26000	1.61	1.61	0
27000	1.61	1.61	0
28000	1.61	1.61	0
29000	1.61	1.61	0
30000	1.61	1.61	0
31000	1.61	1.61	0
32000	1.61	1.61	0
33000	1.61	1.61	0
34000	1.61	1.61	0
35000	1.61	1.61	0
36000	1.61	1.61	0
37000	1.61	1.61	0
38000	1.60	1.60	0
39000	1.60	1.60	0
40000	1.60	1.60	0
41000	1.60	1.60	0
42000	1.60	1.60	0

43000	1.60	1.60	0
44000	1.60	1.60	0
45000	1.60	1.60	0
46000	1.60	1.60	0
47000	1.60	1.60	0
48000	1.60	1.59	-0.62500
49000	1.60	1.59	-0.62500
50000	1.59	1.59	0
51000	1.59	1.59	0
52000	1.59	1.59	0
53000	1.59	1.59	0
54000	1.59	1.58	-0.62893
55000	1.59	1.58	-0.62893
56000	1.58	1.58	0
57000	1.58	1.58	0
58000	1.58	1.58	0
59000	1.58	1.58	0
60000	1.57	1.57	0
61000	1.57	1.57	0
62000	1.57	1.57	0
63000	1.57	1.57	0
64000	1.56	1.56	0
65000	1.56	1.56	0
66000	1.56	1.55	-0.64103
67000	1.55	1.55	0.00000
68000	1.55	1.54	-0.64516
69000	1.55	1.54	-0.64516
70000	1.54	1.53	-0.64935
71000	1.54	1.53	-0.64935
72000	1.53	1.52	-0.65359
73000	1.52	1.51	-0.65789
74000	1.51	1.5	-0.66225
75000	1.50	1.5	0
76000	1.49	1.49	0
77000	1.48	1.48	0
78000	1.47	1.47	0
79000	1.46	1.46	0
80000	1.45	1.45	0
81000	1.44	1.44	0
82000	1.43	1.43	0
83000	1.42	1.42	0
84000	1.42	1.4	-1.40845
85000	1.41	1.4	-0.70922
86000	1.4	1.41	0.71429
87000	1.4	1.4	0
88000	1.39	1.39	0
89000	1.39	1.39	0

90000	1.38	1.38	0
91000	1.38	1.37	-0.72464
92000	1.37	1.37	0
93000	1.37	1.36	-0.72993
94000	1.36	1.36	0.00000
95000	1.36	1.35	-0.73529
96000	1.35	1.35	0
97000	1.35	1.34	-0.74074
98000	1.35	1.34	-0.74074
99000	1.34	1.33	-0.74627
100000	1.33	1.33	0
110000	1.3	1.29	-0.76923
120000	1.27	1.27	0
130000	1.25	1.25	0
140000	1.22	1.22	0
150000	1.2	1.2	0
160000	1.17	1.17	0
170000	1.13	1.12	-0.88496
180000	1.08	1.07	-0.92593
190000	1.01	1.01	0.00000
200000	0.942	0.942	0.00000
210000	0.865	0.861	-0.46243
220000	0.787	0.778	-1.14358
230000	0.370	0.367	-0.81081
240000	0.173	0.173	0
250000	0.172	0.172	0
260000	0.172	0.172	0
270000	0.163	0.161	-1.22699
280000	0.152	0.149	-1.97368
290000	0.156	0.153	-1.92308
300000	0.154	0.152	-1.29870

Comparison Graph

