

Device Modeling Report

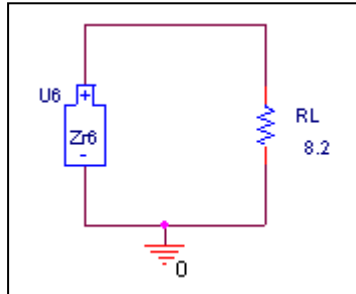
COMPONENTS: Oxyride Cell
PART NUMBER: ZR6
MANUFACTURER: PANASONIC
REMARK: RL= 8.2(Ω)



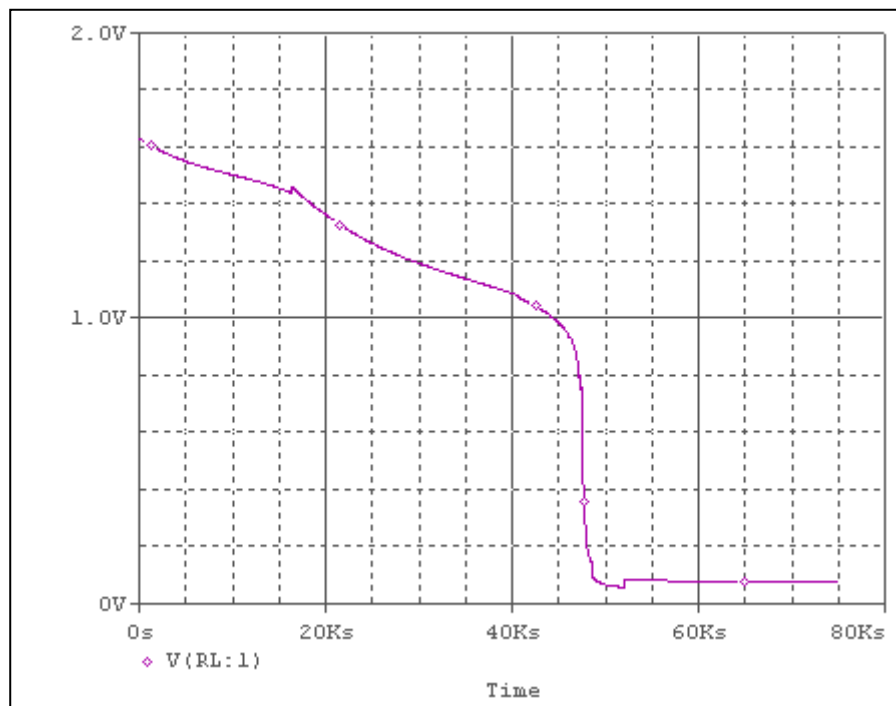
Bee Technologies Inc.

BATTERY Characteristics

Evaluation circuit



Circuit simulation result



Comparison Table

Time(Seconds)	Measurement(V)	Simulation(V)	%Error
500	1.62	1.62	0
1000	1.61	1.61	0
2000	1.59	1.59	0
3000	1.57	1.57	0
4000	1.56	1.56	0
5000	1.55	1.55	0
6000	1.54	1.54	0
7000	1.53	1.53	0
8000	1.52	1.52	0
9000	1.51	1.51	0
10000	1.5	1.5	0
11000	1.49	1.49	0
12000	1.49	1.49	0
13000	1.48	1.47	-0.67568
14000	1.47	1.46	-0.68027
15000	1.46	1.45	-0.68493
16000	1.45	1.46	0.68966
17000	1.43	1.44	0.69930
18000	1.42	1.41	-0.70423
19000	1.4	1.38	-1.42857
20000	1.37	1.36	-0.72993
21000	1.35	1.34	-0.74074
22000	1.32	1.32	0
23000	1.3	1.3	0
24000	1.28	1.28	0
25000	1.26	1.26	0
26000	1.24	1.24	0
27000	1.23	1.23	0
28000	1.21	1.21	0
29000	1.2	1.2	0
30000	1.19	1.19	0
31000	1.18	1.18	0
32000	1.17	1.17	0
33000	1.16	1.16	0
34000	1.15	1.15	0
35000	1.14	1.14	0
36000	1.13	1.13	0
37000	1.12	1.12	0
38000	1.11	1.11	0
39000	1.1	1.1	0
40000	1.08	1.08	0
41000	1.07	1.07	0
42000	1.05	1.05	0
43000	1.03	1.03	0

44000	1.01	1.01	0
45000	0.986	0.982	-0.40568
46000	0.948	0.948	0.00000
47000	0.859	0.845	-1.62980
48000	0.195	0.222	13.84615
49000	0.105	0.098	-6.66667
50000	0.09	0.09	0
51000	0.085	0.085	0
52000	0.083	0.083	0
53000	0.082	0.082	0
54000	0.081	0.081	0
55000	0.081	0.081	0
56000	0.081	0.081	0
57000	0.08	0.08	0
58000	0.08	0.08	0
59000	0.08	0.08	0
60000	0.079	0.079	0
61000	0.079	0.079	0
62000	0.078	0.078	0
63000	0.078	0.078	0
64000	0.078	0.077	-1.28205
65000	0.077	0.077	0
66000	0.077	0.077	0
67000	0.076	0.076	0
68000	0.076	0.076	0
69000	0.075	0.075	0
70000	0.075	0.075	0
71000	0.075	0.075	0
72000	0.074	0.074	0
73000	0.074	0.074	0
74000	0.074	0.074	0
75000	0.074	0.074	0

Comparison Graph

