

Device Modeling Report

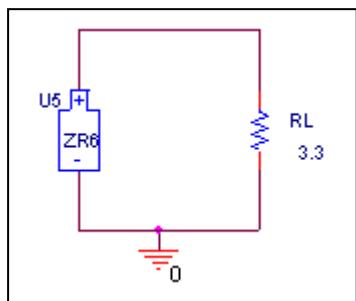
COMPONENTS: Oxyride Cell
PART NUMBER: ZR6
MANUFACTURER: PANASONIC
REMARK: RL= 3.3(Ω)



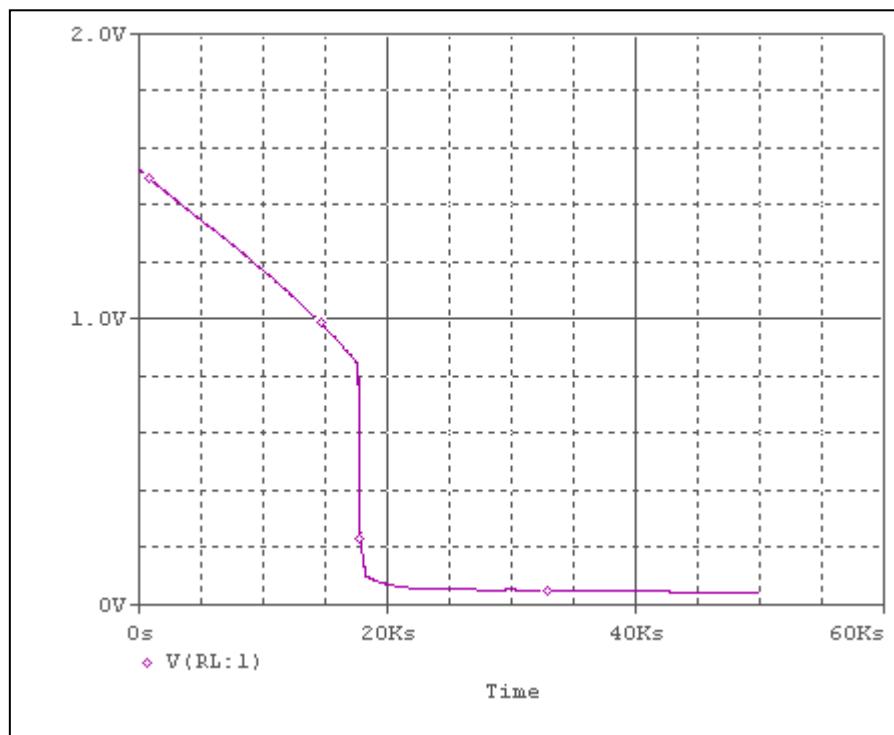
Bee Technologies Inc.

BATTERY Characteristics

Evaluation circuit



Circuit simulation result



Comaprison Table

Time(Seconds)	Measurement(V)	Simulation(V)	%Error
500	1.52	1.5	-1.31579
1000	1.49	1.48	-0.67114
2000	1.44	1.45	0.69444
3000	1.4	1.41	0.71429
4000	1.37	1.38	0.72993
5000	1.35	1.34	-0.74074
6000	1.32	1.31	-0.75758
7000	1.29	1.27	-1.55039
8000	1.26	1.24	-1.58730
9000	1.22	1.2	-1.63934
10000	1.17	1.17	0.00000
11000	1.12	1.13	0.89286
12000	1.08	1.09	0.92593
13000	1.05	1.05	0.00000
14000	1.01	1.01	0.00000
15000	0.976	0.969	-0.71721
16000	0.934	0.924	-1.07066
17000	0.866	0.876	1.15473
18000	0.176	0.171	-2.84091
19000	0.085	0.085	0.00000
20000	0.071	0.071	0.00000
21000	0.063	0.063	0.00000
22000	0.059	0.058	-1.69492
23000	0.057	0.056	1.75439
24000	0.055	0.054	1.81818
25000	0.054	0.054	0.00000
26000	0.054	0.053	1.85185
27000	0.053	0.052	1.88679
28000	0.053	0.052	1.88679
29000	0.053	0.052	1.88679
30000	0.052	0.052	0
31000	0.052	0.052	0
32000	0.051	0.051	0
33000	0.051	0.051	0
34000	0.05	0.05	0
35000	0.05	0.05	0
36000	0.049	0.049	0
37000	0.048	0.048	0
38000	0.048	0.048	0
39000	0.047	0.047	0
40000	0.047	0.047	0
41000	0.046	0.046	0
42000	0.046	0.046	0
43000	0.045	0.045	0
44000	0.045	0.045	0

45000	0.045	0.044	-2.22222
46000	0.044	0.044	0
47000	0.043	0.043	0
48000	0.043	0.043	0
49000	0.043	0.043	0
50000	0.042	0.042	0

Comparison Graph

