

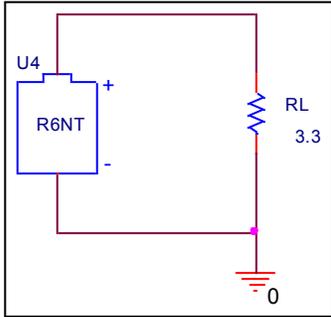
Device Modeling Report

COMPONENTS: Manganese Cell
PART NUMBER: R6NT
MANUFACTURER: PANASONIC
CONDITION: $RL = 3.3(\Omega)$

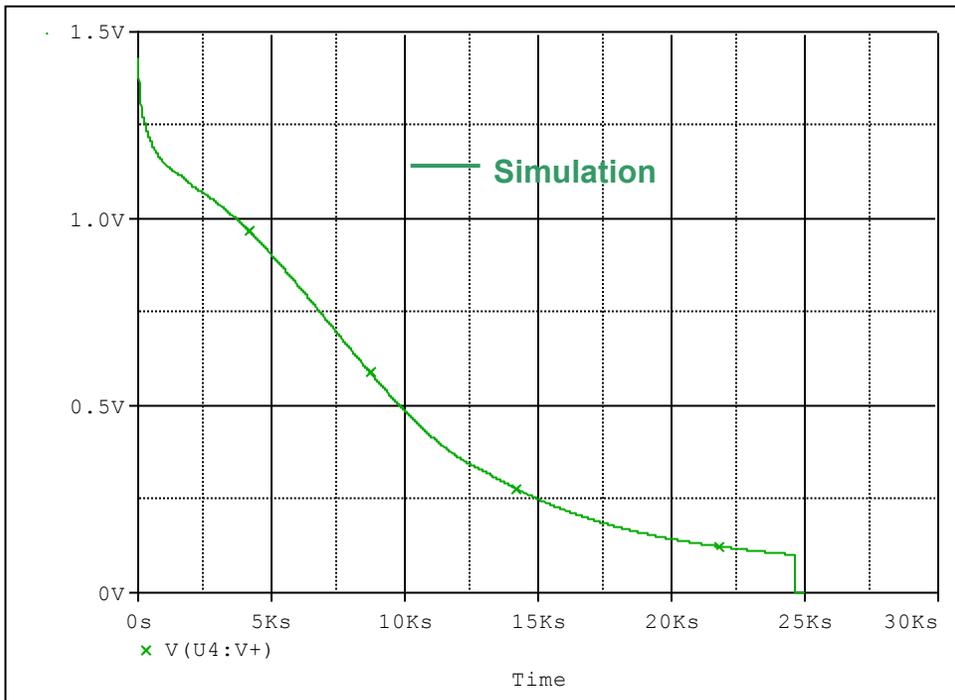


Bee Technologies Inc.

Evaluation Circuit



Simulation result



Comparison Table

Time (Sec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
10.473	1.4145	1.4136	-0.0637
50.117	1.3504	1.3550	0.3421
100.117	1.3102	1.3081	-0.1582
150.117	1.2845	1.2822	-0.1756
200.117	1.2657	1.2681	0.1915
300.117	1.2394	1.2408	0.1165
400.117	1.2218	1.2207	-0.0893
500.117	1.2036	1.2031	-0.0435
600.117	1.1864	1.1880	0.1360
700.117	1.1738	1.1750	0.0983
800.117	1.1636	1.1640	0.0323
900.117	1.1549	1.1546	-0.0233
1000.117	1.1474	1.1467	-0.0625
1200.117	1.1353	1.1341	-0.1068
1400.118	1.1256	1.1242	-0.1230
1600.118	1.1144	1.1150	0.0559
1800.117	1.1017	1.1045	0.2528
1990.117	1.0923	1.0916	-0.0674
2000.117	1.0918	1.0898	-0.1872
2200.117	1.0824	1.0799	-0.2279
2400.118	1.0733	1.0710	-0.2107
2600.117	1.0620	1.0615	-0.0512
2800.117	1.0512	1.0513	0.0127
3000.118	1.0399	1.0404	0.0509
3200.117	1.0280	1.0290	0.0986
3400.117	1.0153	1.0170	0.1661
3600.117	1.0024	1.0044	0.2006
3800.117	0.9891	0.991318	0.2282
4000.117	0.9756	0.977286	0.1735
4400.117	0.9484	0.949300	0.0921
4600.117	0.9345	0.934455	-0.0066
4800.117	0.9202	0.919238	-0.1011
5000.117	0.9049	0.903677	-0.1381
5200.117	0.8883	0.887800	-0.0526
5400.117	0.8709	0.871636	0.0794
5600.117	0.8540	0.855214	0.1371
5800.117	0.8373	0.838561	0.1475
6000.117	0.8208	0.821707	0.1046

Time (Sec)	Vdc(V) Measurement	Vdc(V) Simulation	%Error
6200.117	0.8047	0.804678	-0.0068
6400.117	0.7888	0.787505	-0.1645
6600.117	0.7727	0.770214	-0.3177
6800.117	0.7555	0.752835	-0.3540
7000.117	0.7381	0.735396	-0.3653
7300.117	0.7113	0.709186	-0.3009
7600.117	0.6844	0.683011	-0.2038
7900.117	0.6580	0.656936	-0.1686
8100.117	0.6410	0.639637	-0.2179
8400.118	0.6144	0.614021	-0.0576
8600.117	0.5959	0.597122	0.2091
9000.117	0.5608	0.563938	0.5645
9500.117	0.5210	0.523365	0.4476
10000.117	0.4843	0.484784	0.1030
10300.117	0.4622	0.463036	0.1912
10600.117	0.4413	0.443759	0.5677
11000.117	0.4168	0.413208	-0.8689
11500.117	0.3912	0.388367	-0.7175
12000.117	0.3663	0.362737	-0.9658
12500.117	0.3425	0.340934	-0.4557
13000.117	0.3232	0.324208	0.2970
13500.117	0.3042	0.302845	-0.4571
14000.117	0.2848	0.284357	-0.1415
14500.117	0.2669	0.266549	-0.1424
15000.117	0.2505	0.249502	-0.3805
15500.118	0.2352	0.234391	-0.3564
16000.117	0.2204	0.220806	0.1924
16500.117	0.2071	0.207902	0.3694
17000.117	0.1961	0.195636	-0.2149
18000.117	0.1761	0.174782	-0.7418
19000.117	0.1573	0.157590	0.1790
19500.117	0.1502	0.150128	-0.0171
20000.117	0.1442	0.143335	-0.6280
23000.117	0.1138	0.112906	-0.7899
24500.118	0.1018	0.101504	-0.2956
24600.117	0.1008	0.101887	1.0696

Comparison Graph

