

Device Modeling Report

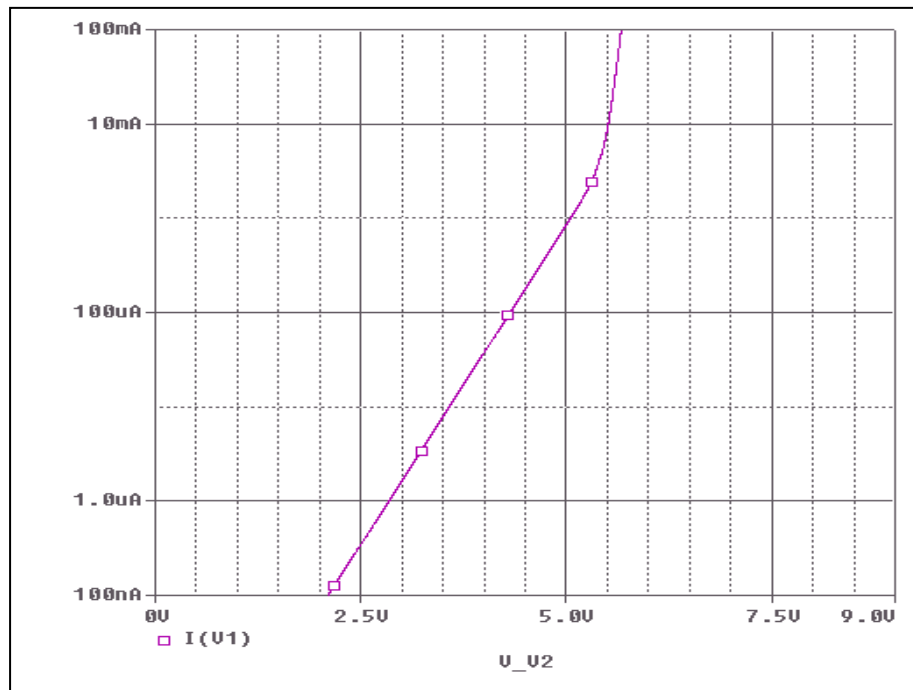
COMPONENTS: Voltage Reference
PART NUMBER: RD5.6F
MANUFACTURER: NEC



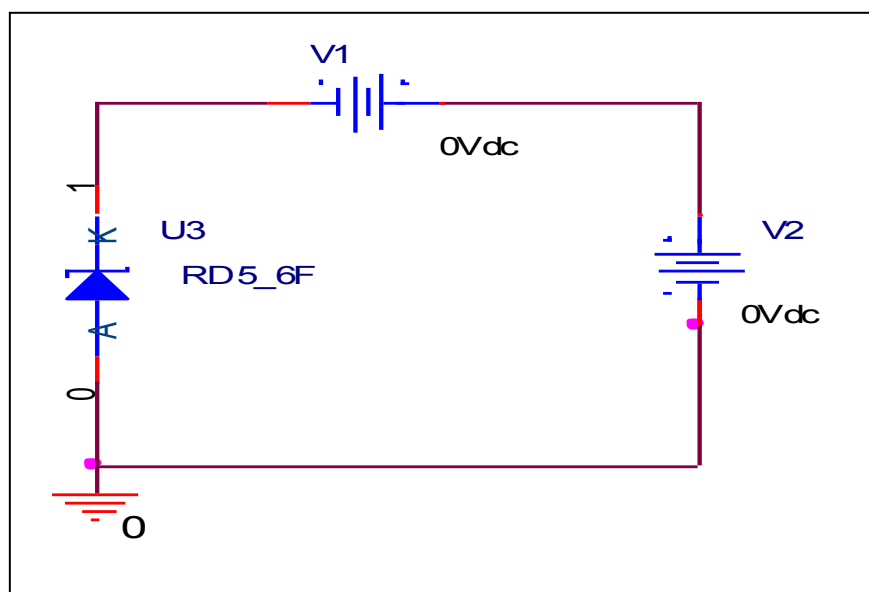
Bee Technologies Inc.

Reverse Characteristic

Circuit Simulation Result



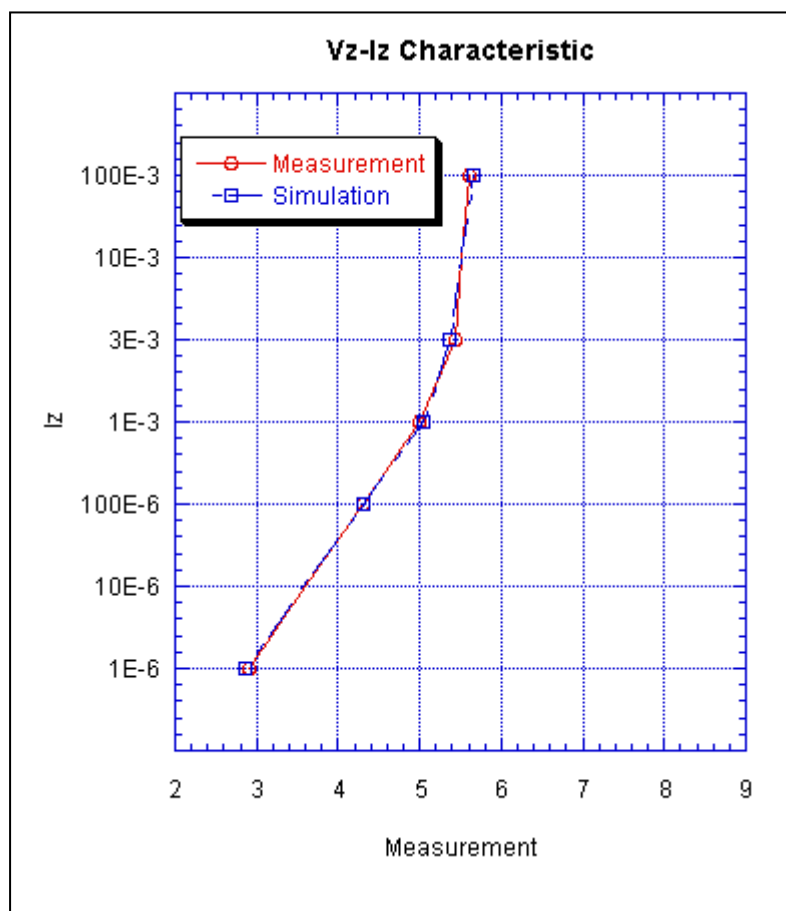
Evaluation circuit



Simulation Result/Vz

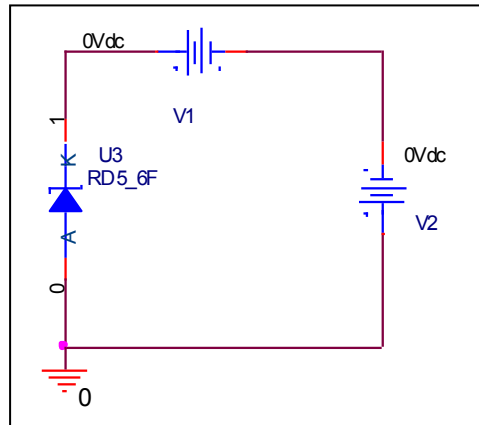
Iz(A)	Vz(V)		
	Measurement	Simulation	Error (%)
1u	2.9	2.8578	1.455172
10u	3.6	3.5742	0.716667
100u	4.3	4.3152	0.353488
1m	5	5.0551	1.102
3m	5.45	5.3531	1.777982
10m	5.5	5.5132	0.24
100m	5.6	5.669	1.232143

Comparison graph

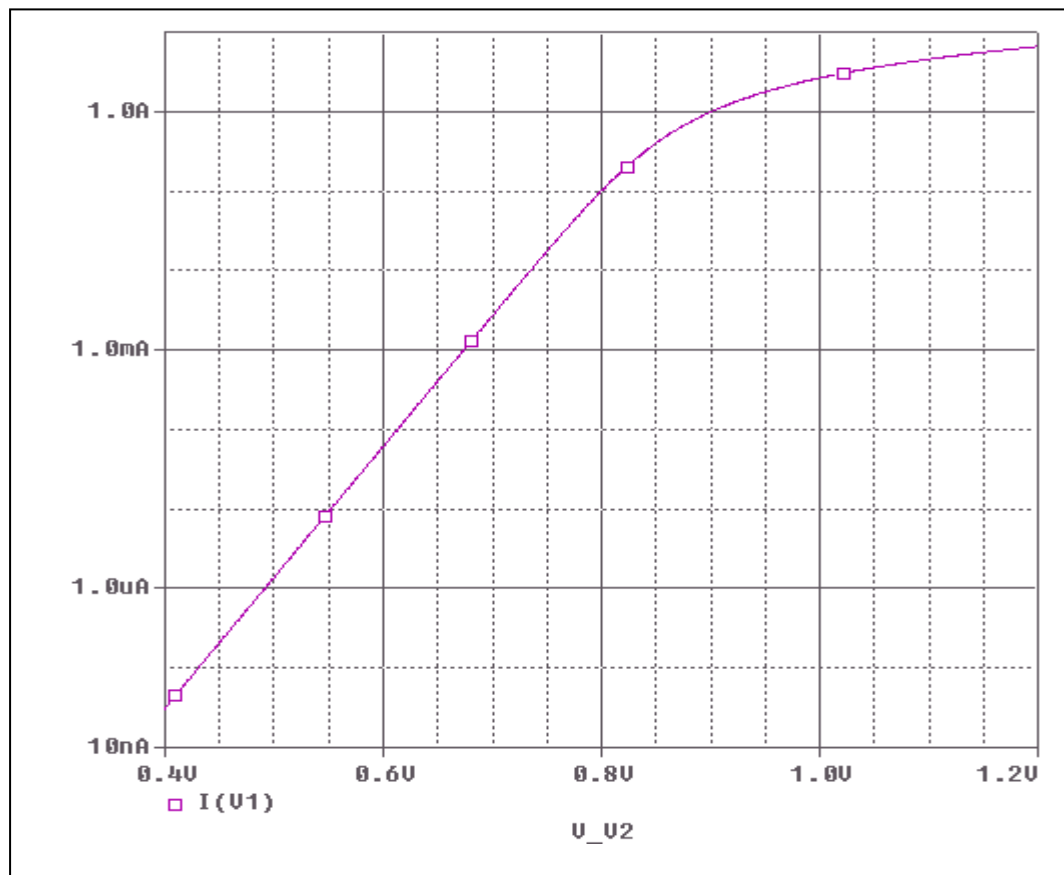


Forward Characteristic

Evaluation circuit



Circuit Simulation Result



Simulation Result/Vz

IF(mA)	VF(V)		
	Measurement	Simulation	Error (%)
1	0.673	0.6735	0.074294
2	0.693	0.6916	0.20202
5	0.716	0.7169	0.125698
10	0.736	0.735	0.13587
20	0.753	0.753012	0.001594
50	0.779	0.77963	0.080873
100	0.8	0.7997	0.0375

Comparison graph

