

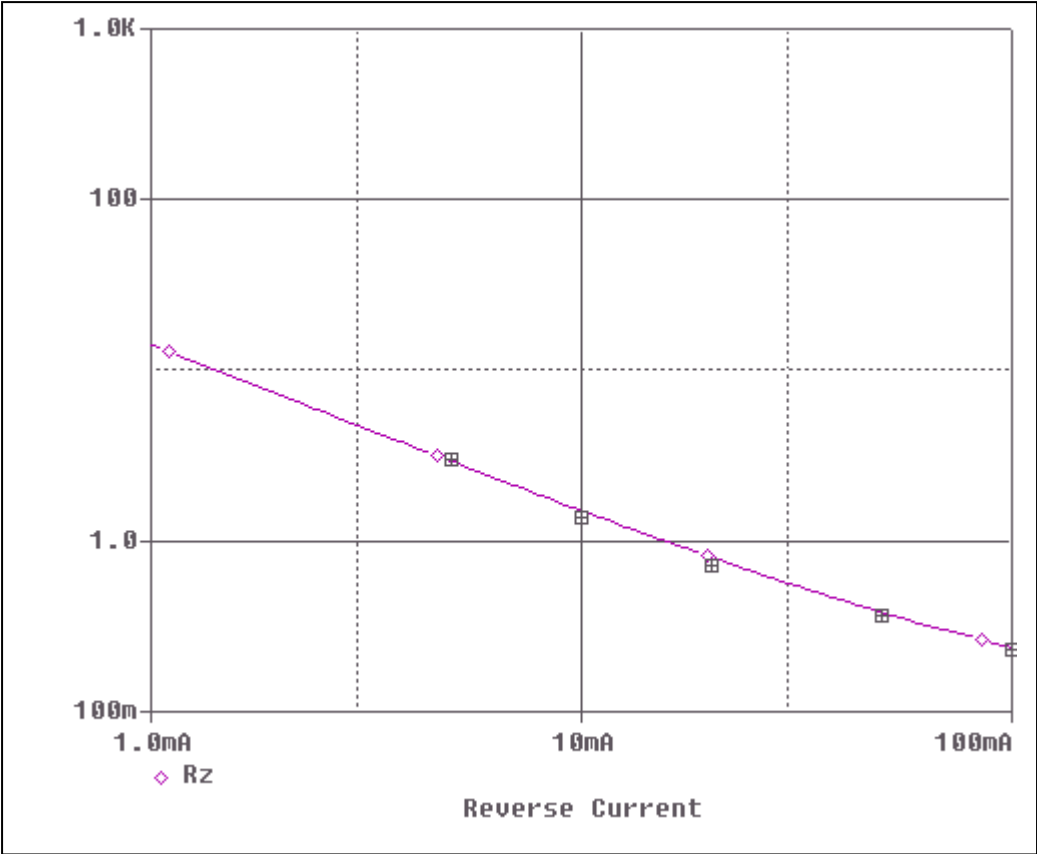
Device Modeling Report

COMPONENTS: Voltage Reference
PART NUMBER: RD6.2F
MANUFACTURER: NEC



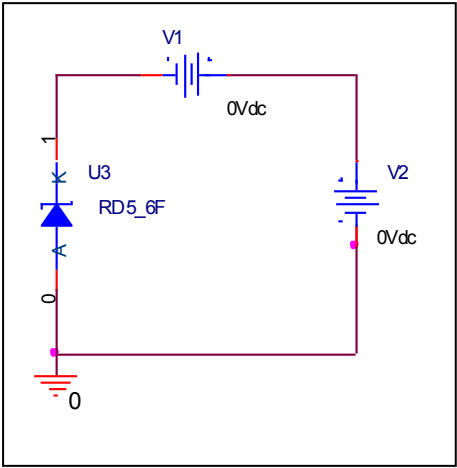
Bee Technologies Inc.

Reverse Dynamic Impedance Characteristic

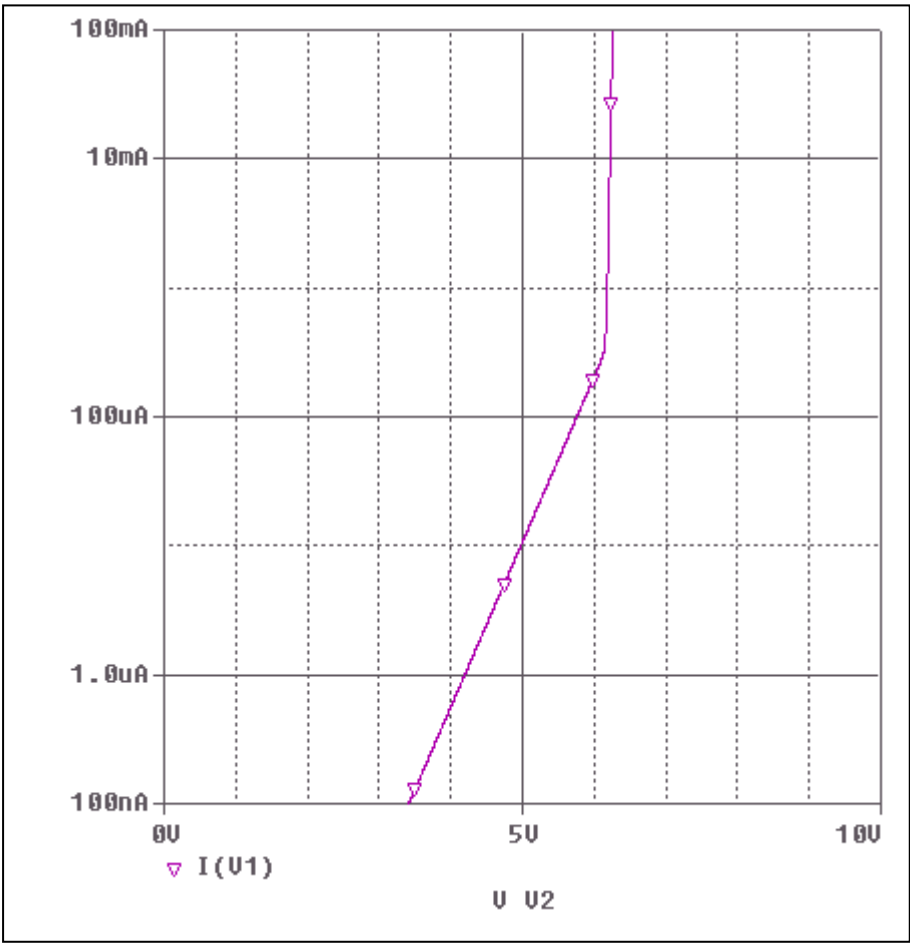


Reverse Characteristic

Evaluation circuit



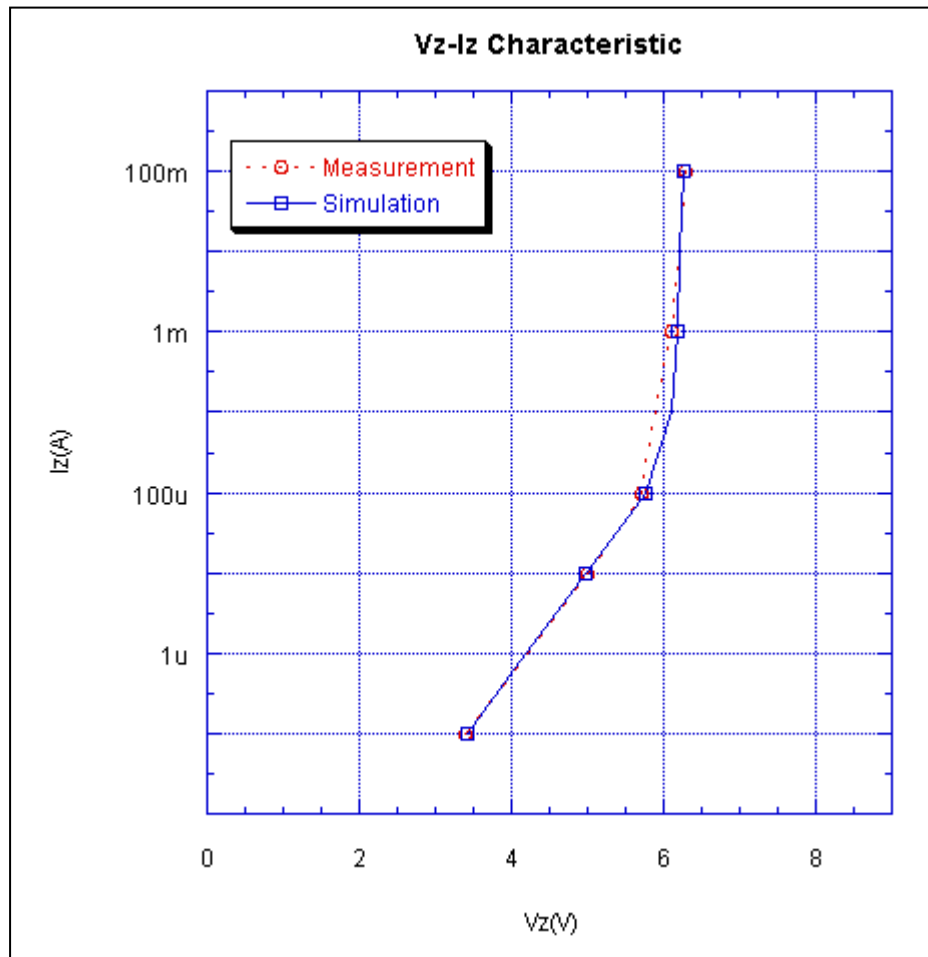
Circuit Simulation Result



Simulation Result/Vz

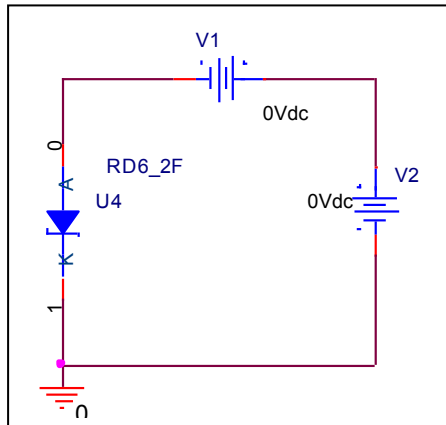
Iz(A)	Vz(V)		
	Measurement	Simulation	Error (%)
0.1u	3.4	3.413	0.382353
1u	4.2	4.1946	0.128571
10u	5	4.9763	0.474
100u	5.7	5.7579	1.015789
300u	5.9	6.115	3.644068
1m	6.1	6.1824	1.35082
10m	6.2	6.2201	0.324194
100m	6.3	6.27	0.47619

Comparison graph

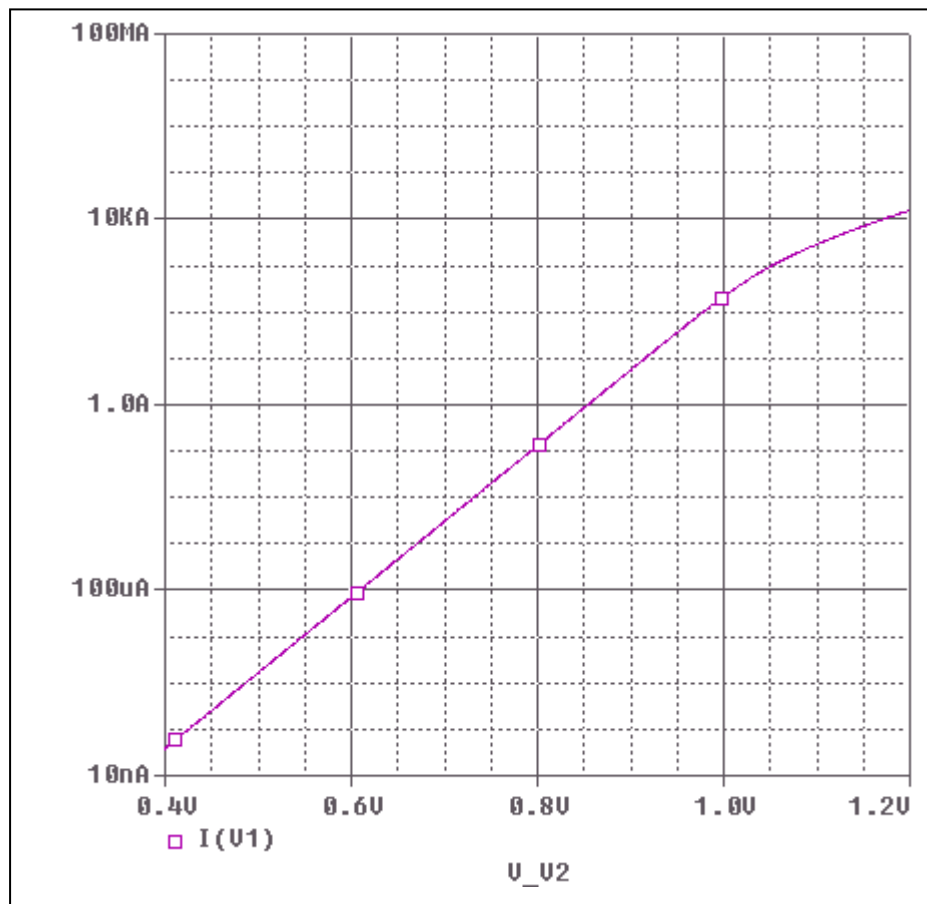


Forward Characteristic

Evaluation circuit



Circuit Simulation Result



Simulation Result/Vz

IF(mA)	VF(V)		
	Measurement	Simulation	Error (%)
0.001	0.67	0.670161	0.02403
0.002	0.685	0.688	0.437956
0.005	0.715	0.713	0.27972
0.01	0.735	0.7315	0.47619
0.02	0.75	0.7495	0.066667
0.05	0.775	0.7741	0.116129
0.1	0.79	0.7926	0.329114

Comparison graph

