

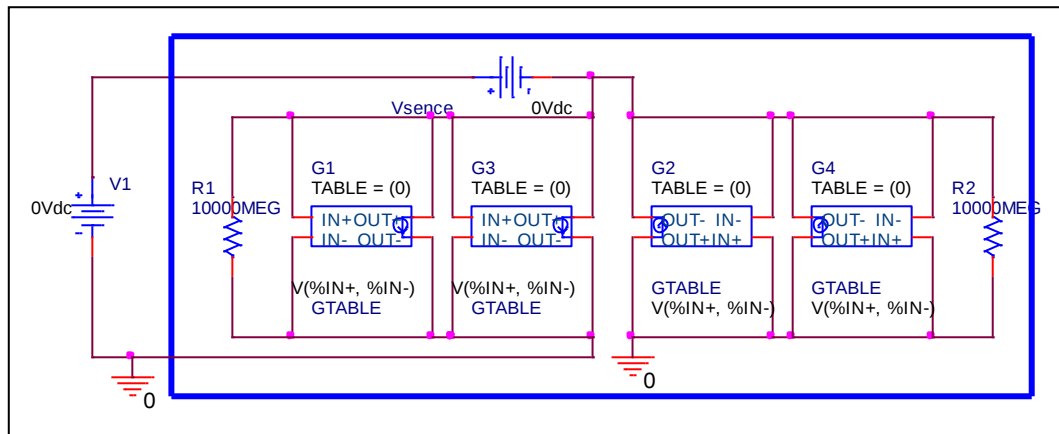
Device Modeling Report

COMPONENTS: ZNR Transient/Surge Absorber
PART NUMBER: ERZC20EK511
MANUFACTURER: Panasonic



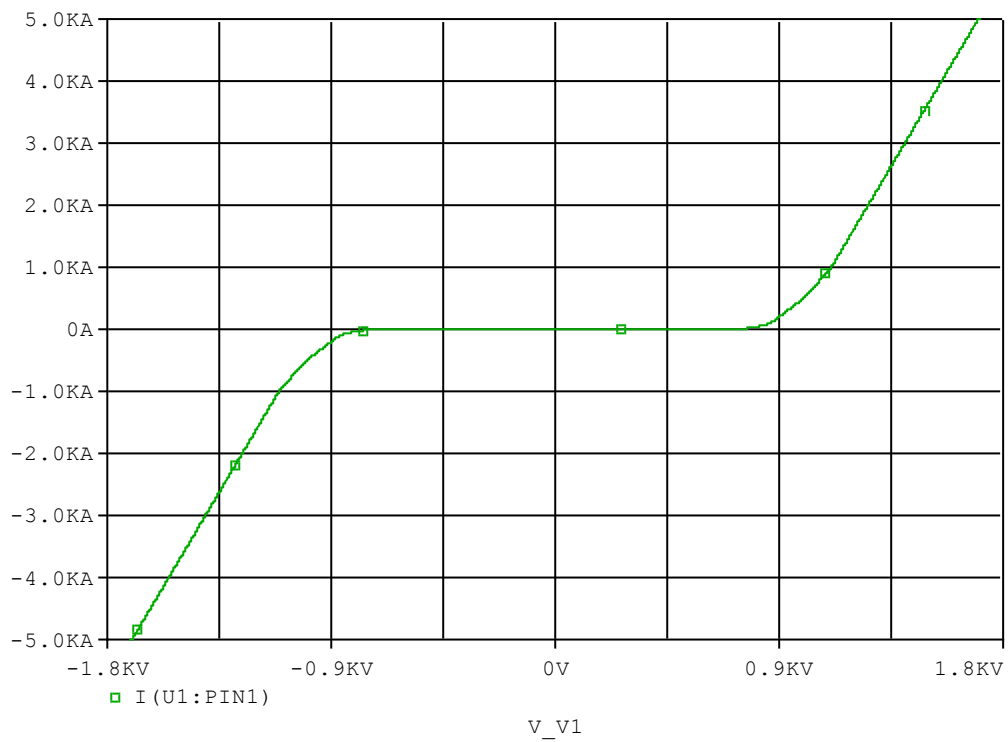
Bee Technologies Inc.

Equivalent Circuit

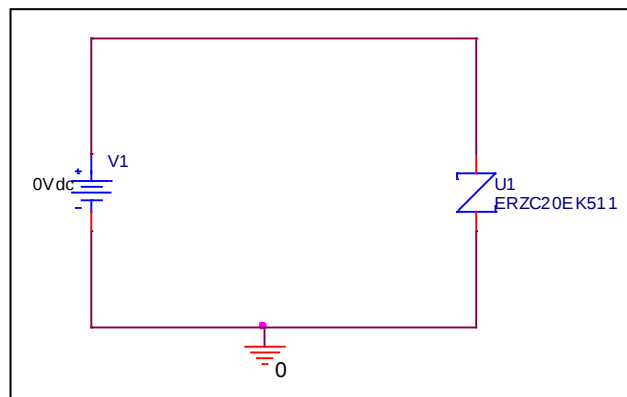


ZNR Transient /Surge Absorber

Circuit Simulation Result

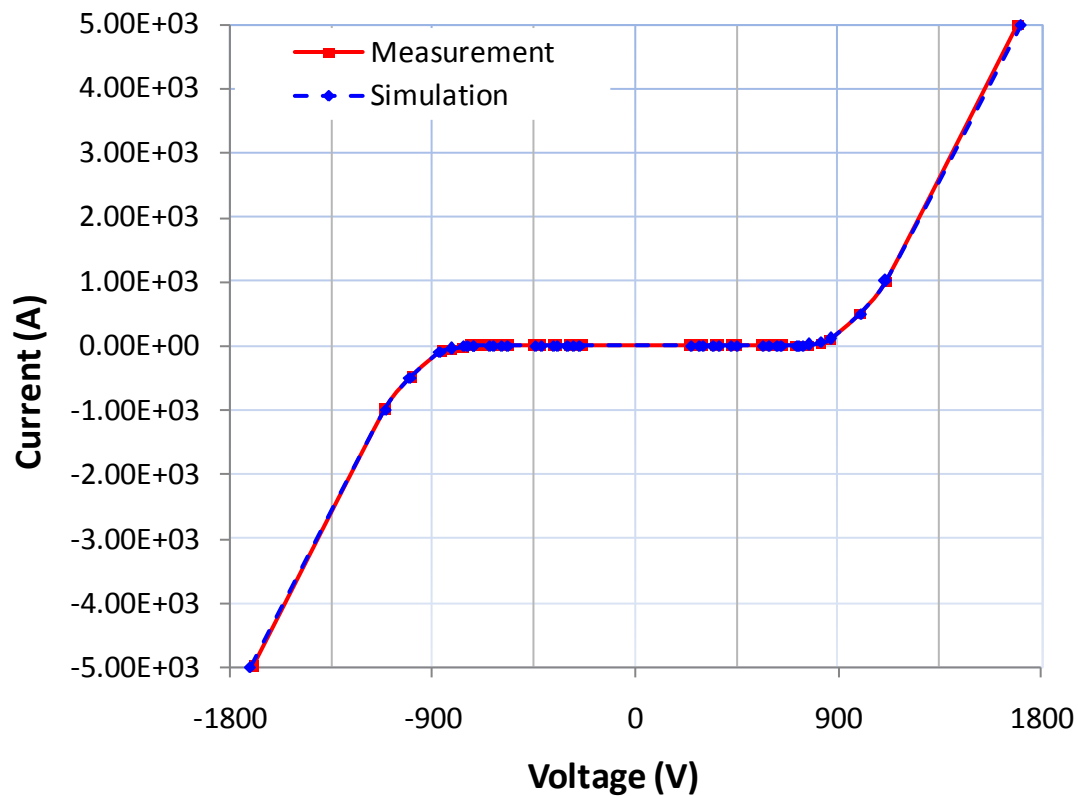


Evaluation Circuit



ZNR Transient /Surge Absorber

Comparison Graph



Simulation Result

I(A)	VFwd (V)		Error (%)
	Measurement	Simulation	
1.00E-06	235.000	244.746	4.147
1.00E-05	298.000	299.211	0.406
1.00E-04	368.000	368.127	0.035
1.00E-03	447.000	447.028	0.006
1.00E-02	595.000	595.001	0.000
1.00E-01	650.000	650.000	0.000
1.00E+00	720.000	722.500	0.347
1.00E+01	765.000	765.688	0.090
1.00E+02	865.000	865.169	0.020
1.00E+03	1110.000	1110.100	0.009
5.00E+03	1700.000	1710.000	0.588