

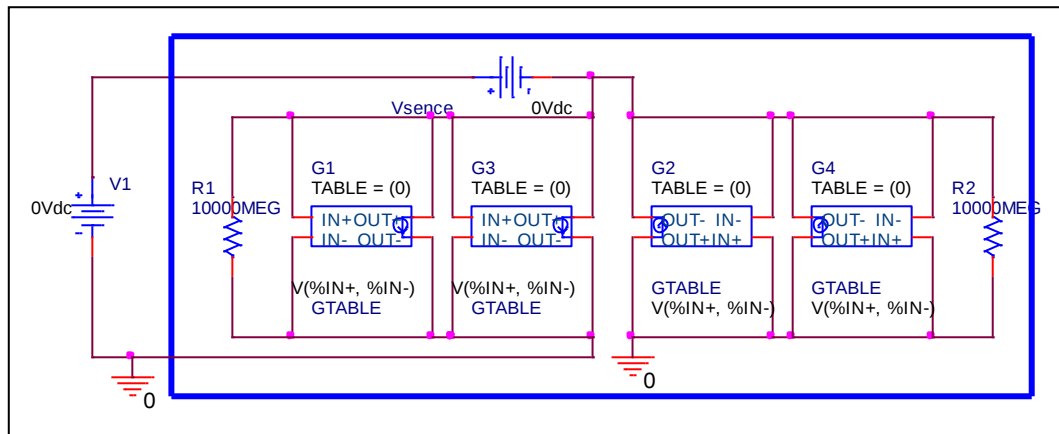
Device Modeling Report

COMPONENTS: ZNR Transient/Surge Absorber
PART NUMBER: ERZC20EK391
MANUFACTURER: Panasonic



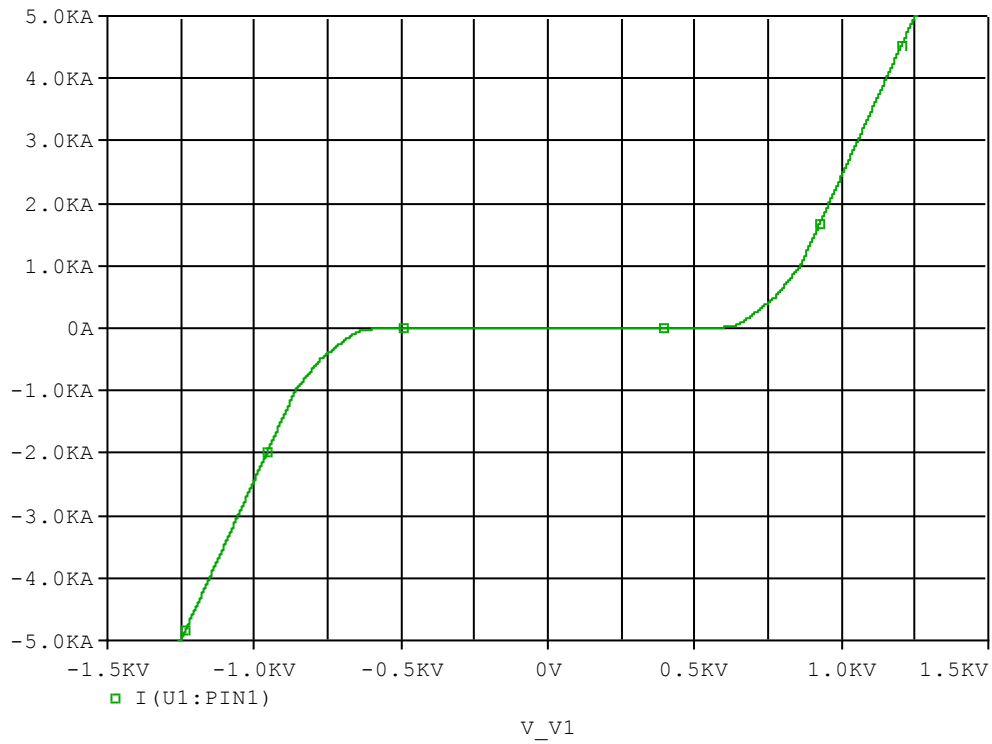
Bee Technologies Inc.

Equivalent Circuit

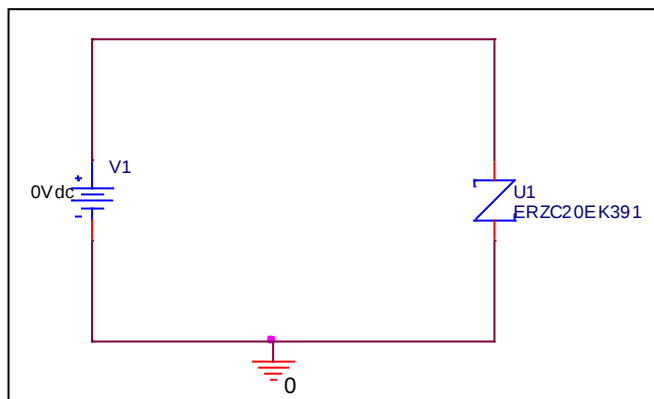


ZNR Transient /Surge Absorber

Circuit Simulation Result

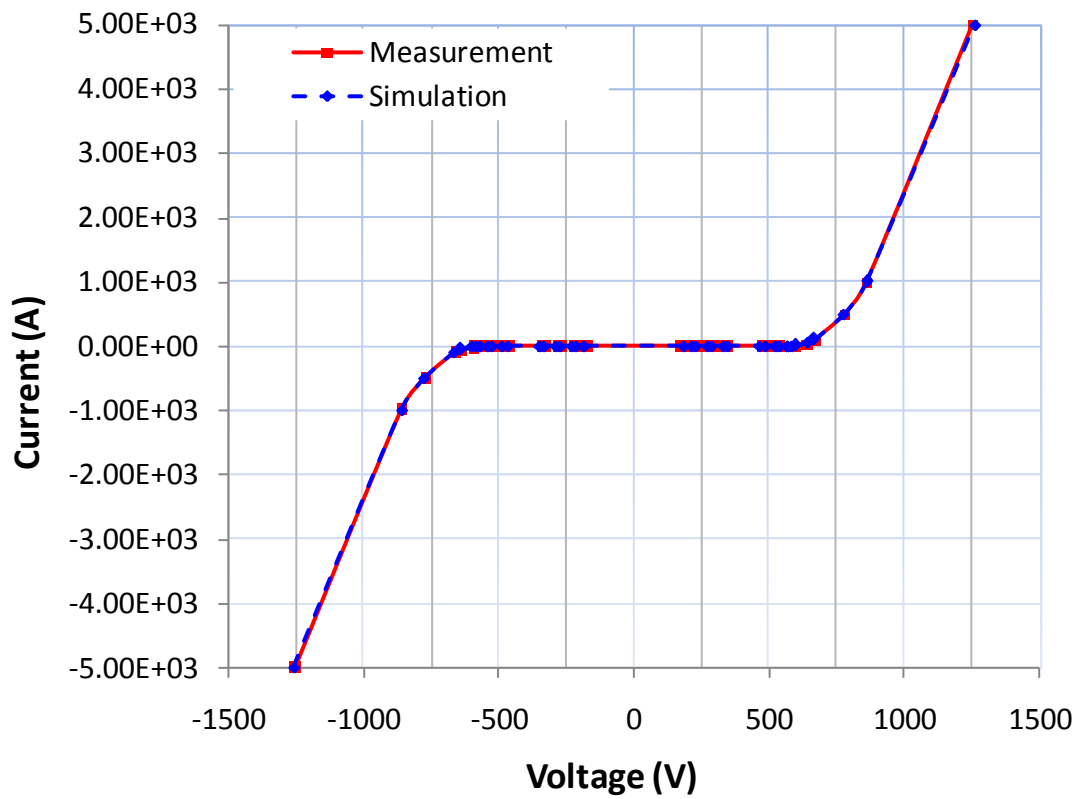


Evaluation Circuit



ZNR Transient /Surge Absorber

Comparison Graph



Simulation Result

I(A)	VFwd (V)		Error (%)
	Measurement	Simulation	
1.00E-06	175.000	183.583	4.905
1.00E-05	228.000	229.025	0.450
1.00E-04	288.000	288.102	0.035
1.00E-03	345.000	345.029	0.008
1.00E-02	487.000	487.001	0.000
1.00E-01	538.000	538.000	0.000
1.00E+00	567.000	569.250	0.397
1.00E+01	595.000	595.563	0.095
1.00E+02	665.000	665.138	0.021
1.00E+03	860.000	860.049	0.006
5.00E+03	1250.000	1258.900	0.712