

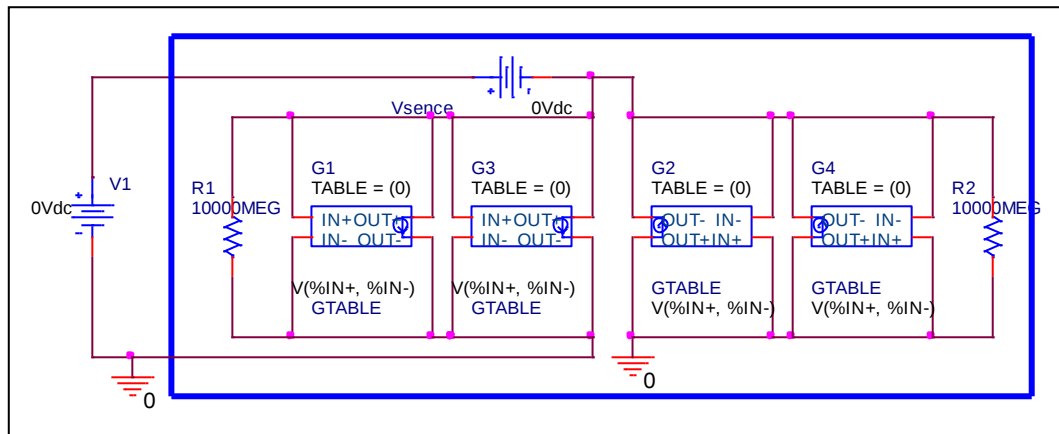
Device Modeling Report

COMPONENTS: ZNR Transient/Surge Absorber
PART NUMBER: ERZC20EK821
MANUFACTURER: Panasonic



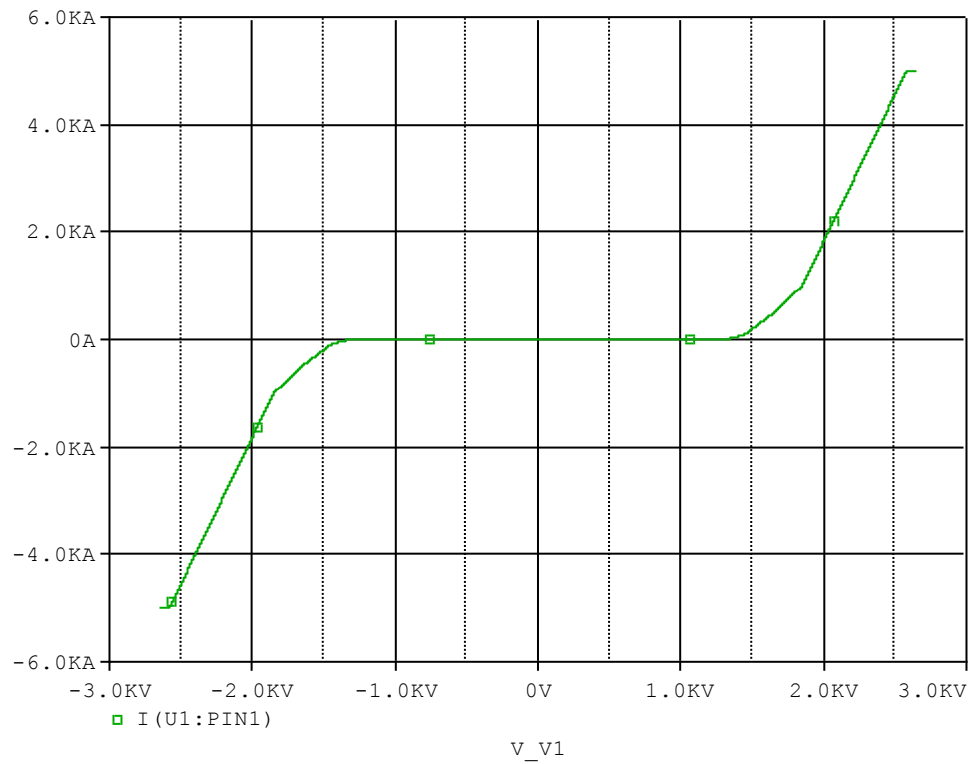
Bee Technologies Inc.

Equivalent Circuit

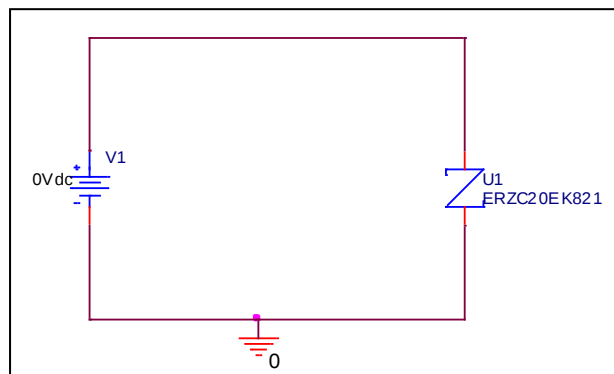


ZNR Transient /Surge Absorber

Circuit Simulation Result

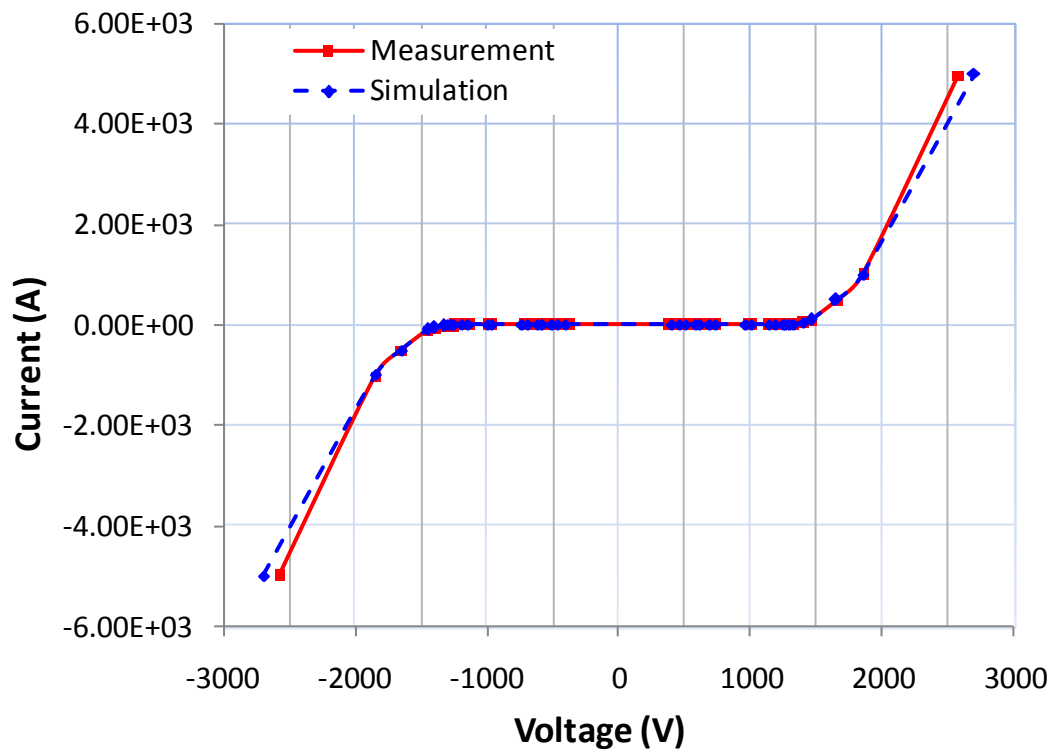


Evaluation Circuit



ZNR Transient /Surge Absorber

Comparison Graph



Simulation Result

I(A)	VFwd (V)		Error (%)
	Measurement	Simulation	
1.00E-06	385.000	401.769	4.356
1.00E-05	500.000	501.896	0.379
1.00E-04	620.000	620.175	0.028
1.00E-03	730.000	730.054	0.007
1.00E-02	1000.000	1000.000	0.000
1.00E-01	1190.000	1190.000	0.000
1.00E+00	1255.000	1260.600	0.446
1.00E+01	1325.000	1325.900	0.068
1.00E+02	1455.000	1455.200	0.014
1.00E+03	1850.000	1850.100	0.005
5.00E+03	2580.000	2697.200	4.543