

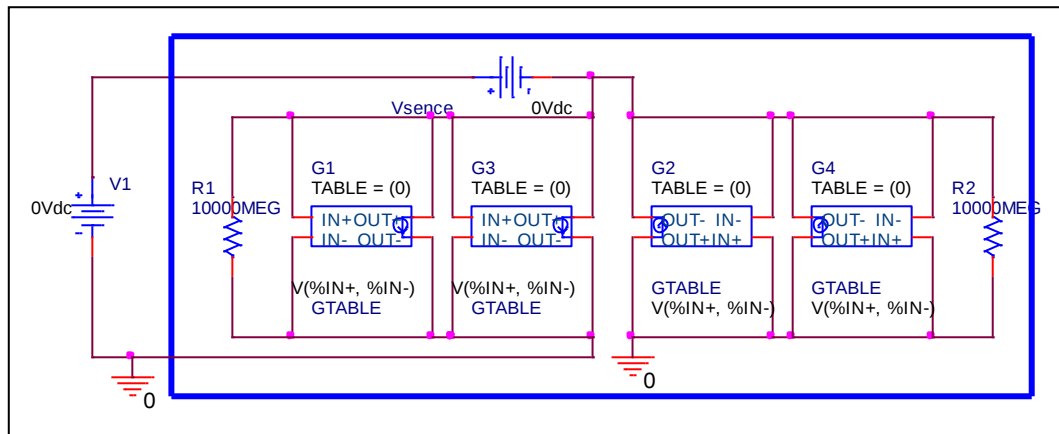
Device Modeling Report

COMPONENTS: ZNR Transient/Surge Absorber
PART NUMBER: ERZC20EK102
MANUFACTURER: Panasonic



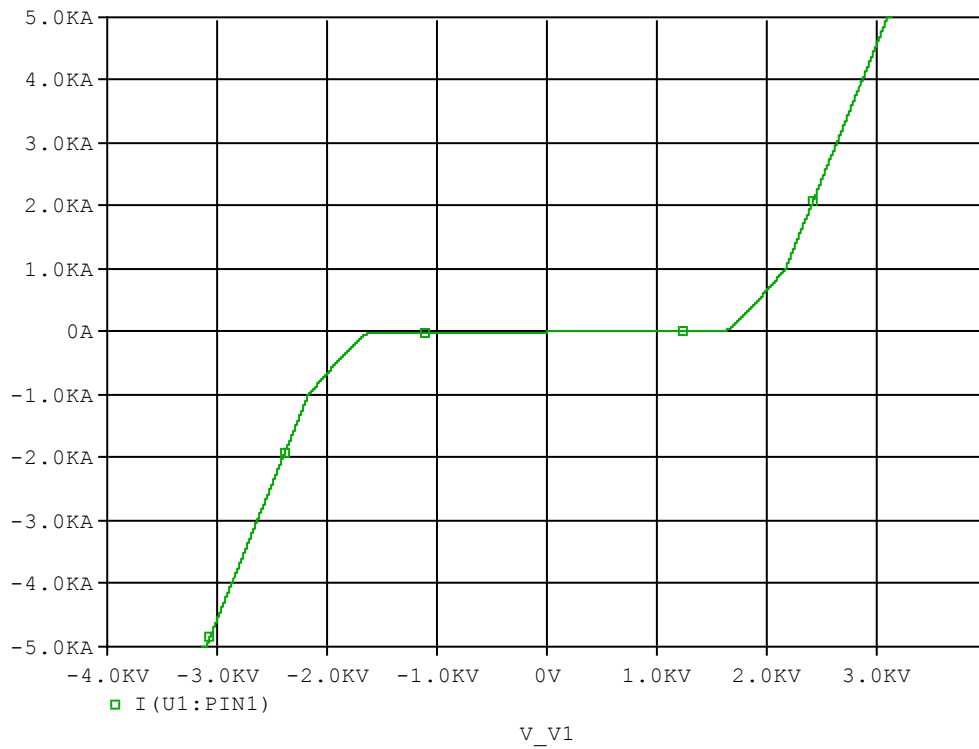
Bee Technologies Inc.

Equivalent Circuit

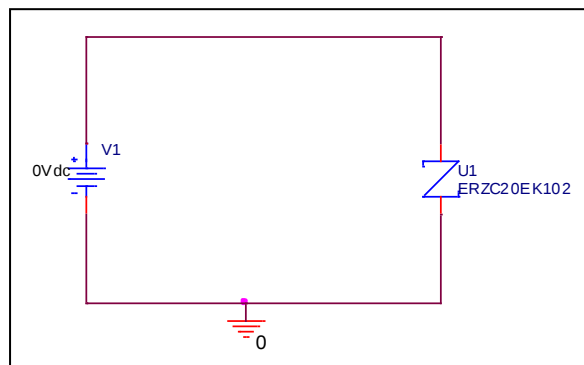


ZNR Transient /Surge Absorber

Circuit Simulation Result

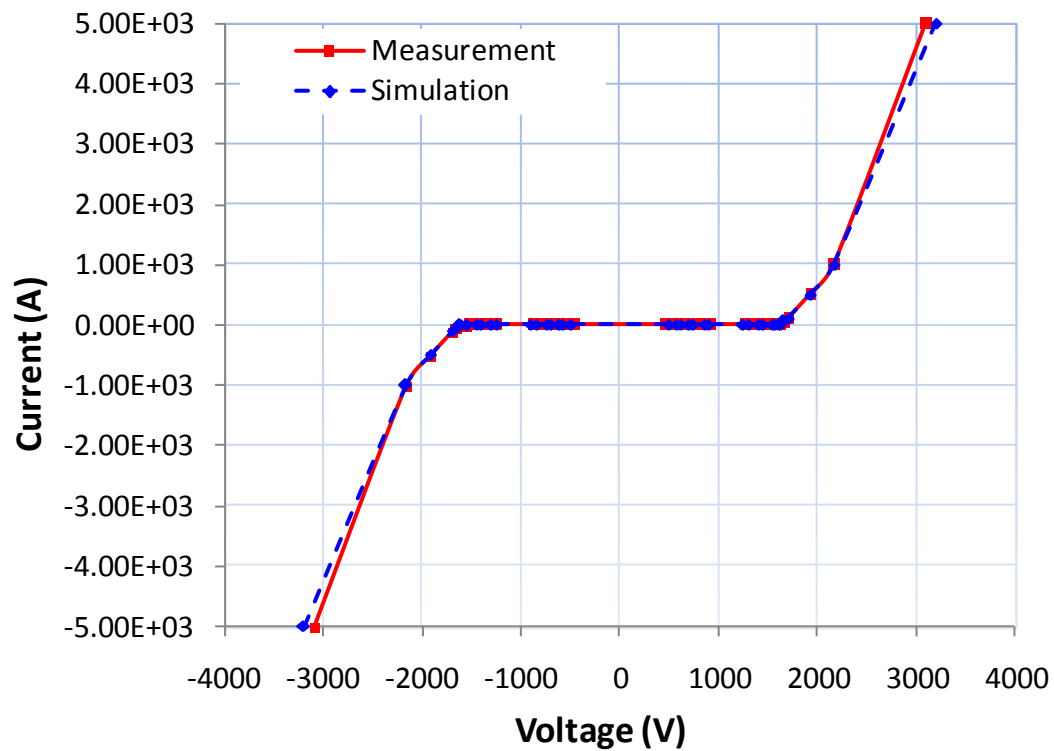


Evaluation Circuit



ZNR Transient /Surge Absorber

Comparison Graph



Simulation Result

I(A)	VFwd (V)		Error (%)
	Measurement	Simulation	
1.00E-06	470.000	491.350	4.543
1.00E-05	610.000	612.107	0.345
1.00E-04	740.000	740.254	0.034
1.00E-03	900.000	900.000	0.000
1.00E-02	1300.000	1300.000	0.000
1.00E-01	1450.000	1450.000	0.000
1.00E+00	1550.000	1556.300	0.406
1.00E+01	1620.000	1620.400	0.025
1.00E+02	1700.000	1700.300	0.018
1.00E+03	2170.000	2170.100	0.005
5.00E+03	3100.000	3200.000	3.226