

# Device Modeling Report

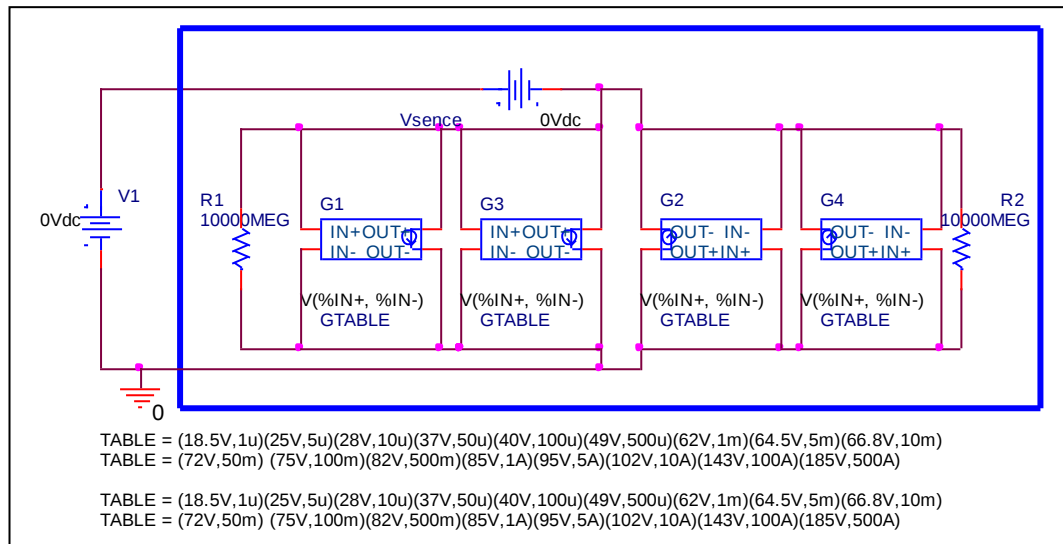
COMPONENTS: ZNR Transient/Surge Absorber  
PART NUMBER: ERZV20D560  
MANUFACTURER: Panasonic



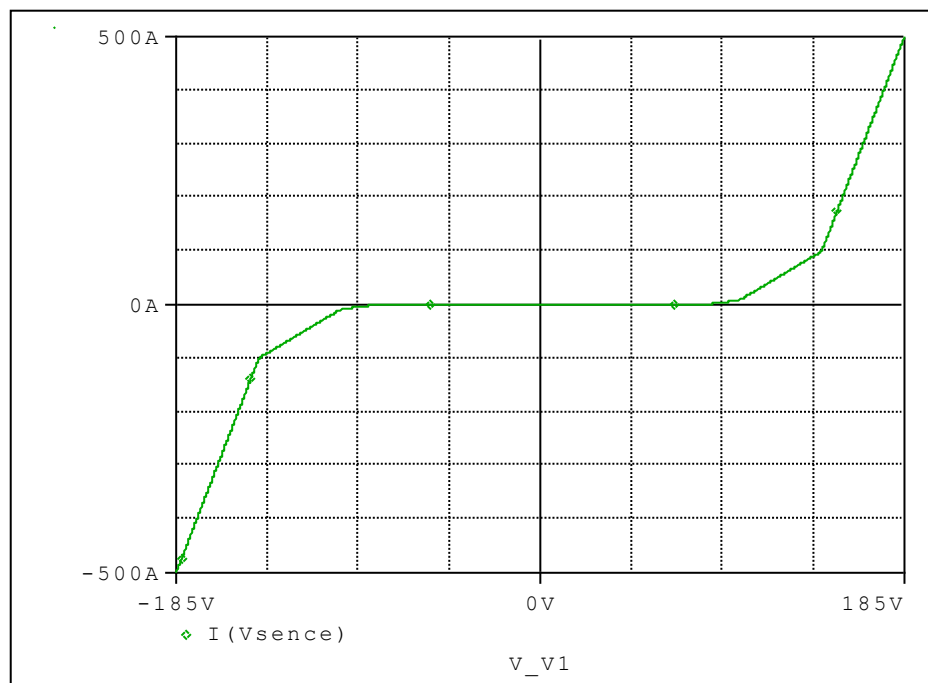
**Bee Technologies Inc.**

# ZNR Transient /Surge Absorber

## Evaluation Circuit Result



## Circuit Simulation Result



## ZNR Transient /Surge Absorber

### Simulation Result

| I(A)     | VFwd (V)    |            | %Error |
|----------|-------------|------------|--------|
|          | Measurement | Simulation |        |
| 1.00E-06 | 18.500      | 18.840     | 1.838  |
| 5.00E-06 | 25.000      | 25.150     | 0.600  |
| 1.00E-05 | 28.000      | 28.400     | 1.429  |
| 5.00E-05 | 37.000      | 37.060     | 0.162  |
| 1.00E-04 | 40.000      | 40.020     | 0.050  |
| 5.00E-04 | 49.000      | 49.110     | 0.224  |
| 1.00E-03 | 62.000      | 62.500     | 0.806  |
| 5.00E-03 | 64.500      | 65.000     | 0.775  |
| 1.00E-02 | 66.800      | 67.000     | 0.299  |
| 5.00E-02 | 72.000      | 72.000     | 0.000  |
| 1.00E-01 | 75.000      | 75.000     | 0.000  |
| 5.00E-01 | 82.000      | 82.300     | 0.366  |
| 1.00E+00 | 85.000      | 85.120     | 0.141  |
| 5.00E+00 | 95.000      | 95.000     | 0.000  |
| 1.00E+01 | 102.000     | 102.020    | 0.020  |
| 1.00E+02 | 143.000     | 143.860    | 0.601  |
| 5.00E+02 | 185.000     | 185.000    | 0.000  |

## Comparison Graph

### Circuit Simulation Result

