

BRIDGE RECTIFIER - SPICE TABLES

| RECTRON# | DB105 | EDB103S | RS405L | RS406L | RS404M | RS407M | RS604M | RS607M | MD5S |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| IS(A) | 6.63E-09 | 6.54E-06 | 1.12E-07 | 1.12E-07 | 2.46E-06 | 2.95E-07 | 2.14E-07 | 2.14E-07 | 8.71E-08 |
| RS(ohm) | 0.0621 | 0.0182 | 0.01 | 0.01 | 0.0037 | 0.0052 | 0.0051 | 0.0051 | 0.0464 |
| N | 1.81 | 2.797 | 2 | 2 | 2.626 | 2.196 | 2.003 | 2.005 | 2.153 |
| TT(sec) | 2.89E-06 | 1.23E-07 | 1.00E-09 | 1.00E-09 | 2.89E-06 | 2.89E-06 | 2.89E-06 | 2.89E-06 | 2.89E-06 |
| CJO(F) | 4.79E-11 | 2.57E-11 | 1.06E-10 | 1.06E-10 | 2.86E-10 | 1.07E-10 | 3.90E-10 | 2.04E-10 | 2.37E-11 |
| VJ(V) | 1.582 | 2.088 | 0.4 | 0.4 | 0.25 | 0.694 | 1.045 | 0.292 | 0.866 |
| M | 0.467 | 0.318 | 0.333 | 0.333 | 0.333 | 0.308 | 0.3 | 0.3 | 0.325 |
| EG(eV) | 1.164 | 1.11 | 1.3 | 1.3 | 1.11 | 1.11 | 1.11 | 1.11 | 1.02 |
| XTI | 0.5 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3.0254 |
| KF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AF | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FC | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BV(V) | 660 | 200 | 700 | 950 | 440 | 1100 | 440 | 1100 | 600 |
| IBV(A) | 0.01 | 0.051 | 1.0E-06 | 1.0E-06 | 0.05 | 0.02 | 0.01 | 0.01 | 0.0022 |

| RECTRON# | RS201L | | | | | | | | |
|----------|----------|--|--|--|--|--|--|--|--|
| IS(A) | 7.08E-09 | | | | | | | | |
| RS(ohm) | 22.1E-3 | | | | | | | | |
| N | 1.70 | | | | | | | | |
| TT(sec) | 4.32E-06 | | | | | | | | |
| CJO(F) | 2.92E-11 | | | | | | | | |
| VJ(V) | 0.55 | | | | | | | | |
| M | 0.333 | | | | | | | | |
| EG(eV) | 1.11 | | | | | | | | |
| XTI | 3 | | | | | | | | |
| KF | 0 | | | | | | | | |
| AF | 1 | | | | | | | | |
| FC | 0.5 | | | | | | | | |
| BV(V) | 100 | | | | | | | | |
| IBV(A) | 5.00E-06 | | | | | | | | |

Reference: IS= Saturation current; RS= Ohmic resistance; N= Emission coefficient; TT= Forward transit time; CJO= zero-bias junction capacitance; VJ= Contact potential; M= Junction capacitance grading exponent; EG= Energy gap; XTI= IS temperature exponent; KF= Flicker noise coefficient; AF= Flicker noise exponent; FC= CJ forward-bias coefficient; BV= Reverse breakdown; IBV= Current at BV

Note:

1) Each set of numbers only represents one diode element in the bridge.