

SPICE Model Parameters

Please copy this code from the SPICE model into LTSPICE (version 4) software for simulation of the GA100JT17-227.

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*      MODEL OF GeneSiC Semiconductor Inc.
*      $Revision: 2.0          $
*      $Date:      07-DEC-2015    $
*
*      GeneSiC Semiconductor Inc.
*      43670 Trade Center Place Ste. 155
*      Dulles, VA 20166
*
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*
* These models are provided "AS IS, WHERE IS, AND WITH NO WARRANTY
* OF ANY KIND EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED
* TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
* PARTICULAR PURPOSE."
* Models accurate up to 2 times rated drain current.
*
*
* Start of GA100JT17-227 SPICE Model
*
.SUBCKT GA100JT17 DRAIN GATE SOURCE
QA DRAIN GATE SOURCE GA100JT17_Q
QB DRAIN GATE SOURCE GA100JT17_Q
*
.model GA100JT17_Q NPN
+ IS      9.833E-48          ISE      1.073E-26          EG      3.23
+ BF      110              BR      0.55              IKF     9000
+ NF      1                NE      2                RB      0.95
+ RE      0.005            RC      0.014            CJC     2.12E-9
+ VJC     3.788            MJC     0.537            CJE     6.026E-09
+ VJE     3.1791          MJE     0.5295          XTI     3
+ XTB     -1.5            TRC1    9.0E-03          MFG     GeneSiC_Semi
+ IRB     0.005            RBM     0.073
.ENDS
*
* End of GA100JT17-227 SPICE Model

```