

SPICE Model Parameters

Please copy this code from the SPICE model into LTSPICE (version 4) software for simulation of the GA100JT12-227.

```

*      MODEL OF GeneSiC Semiconductor Inc.
*      $Revision: 2.0          $
*      $Date:      07-DEC-2015    $
*
*      GeneSiC Semiconductor Inc.
*      43670 Trade Center Place Ste. 155
*      Dulles, VA 20166
*
*      COPYRIGHT (C) 2015 GeneSiC Semiconductor Inc.
*      ALL RIGHTS RESERVED
*
*      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 GA100JT12-227 SPICE Model
*
.SUBCKT GA100JT12 DRAIN GATE SOURCE
QA DRAIN GATE SOURCE GA100JT12_Q
QB DRAIN GATE SOURCE GA100JT12_Q
*
.model GA100JT12_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 GA100JT12-227 SPICE Model

```