

SPICE Model Parameters

Please copy this code from the SPICE model into LTSPICE (version 4) software for simulation of the GA50JT17-247.

```
*      MODEL OF GeneSiC Semiconductor Inc.
*
*      $Revision: 2.2          $
*      $Date: 29-JAN-2015    $
*
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*      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.
*
.model GA50JT17 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
+ IRB     0.005
+ RBM     0.073
+ RE      0.005
+ RC      0.014
+ CJC     2.398E-9
+ VJC     2.8346
+ MJC     0.4846
+ CJE     6.026E-09
+ VJE     3.1791
+ MJE     0.5295
+ XTI     3
+ XTB     -1.5
+ TRC1    9.00E-3
+ VCEO    1700
+ ICRATING 50
+ MFG     GeneSiC_Semiconductor
*
* End of GA50JT17 SPICE Model
```