

SPICE Model Parameters

Please copy this code from the SPICE model into LTSPICE (version 4) software for simulation of the GA10JT12-247.

```
*      MODEL OF GeneSiC Semiconductor Inc.
*
*      $Revision: 2.1          $
*      $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 GA10JT12 NPN
+ IS      9.833E-48
+ ISE     1.073E-26
+ EG      3.23
+ BF      113
+ BR      0.55
+ IKF     5000
+ NF      1
+ NE      2
+ RB      4.67
+ IRB     0.001
+ RBM     0.16
+ RE      0.005
+ RC      0.083
+ CJC     427.39E-12
+ VJC     3.1004
+ MJC     0.4752
+ CJE     1373E-12
+ VJE     10.6442
+ MJE     0.21376
+ XTI     3
+ XTB     -1.35
+ TRC1    7E-3
+ VCEO    1200
+ ICRATING 10
+ MFG     GeneSiC_Semiconductor
*
* End of GA10JT12 SPICE Model
```