

SPICE Model Parameters

Please copy this code from the SPICE model into LTSPICE (version 4) software for simulation of the GA03JT12-247.

```
*      MODEL OF GeneSiC Semiconductor Inc.
*
*      $Revision:   1.2           $
*      $Date:      26-AUG-2014   $
*
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*
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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 GA03JT12 NPN
+ IS      3.01E-49
+ ISE     1.00E-27
+ EG      3.2
+ BF      58.5
+ BR      0.55
+ IKF     200
+ NF      1
+ NE      2
+ RB      18.0
+ RBM     0.9
+ IRB     1e-4
+ RE      0.184170194
+ RC      0.342829806
+ CJC     1.37E-10
+ VJC     3.150960833
+ MJC     0.43821105
+ CJE     2.97E-10
+ VJE     2.901930244
+ MJE     0.475141754
+ XTI     3
+ XTB     -1.24
+ TRC1    5.00E-3
+ VCEO    1200
+ ICRATING 3
+ MFG     GeneSiC_Semiconductor
*End of GA03JT12 SPICE Model
```