

SPICE Model Parameters

Please copy this code from the SPICE model into LTSPICE (version 4) software for simulation of the GA06JT12-247.

```
*      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 GA06JT12 NPN
+ IS      5.08E-47
+ ISE     1.26E-28
+ EG      3.2
+ BF      58.31
+ BR      0.55
+ IKF     200
+ NF      1
+ NE      1.892
+ RB      5.85
+ RBM     0.9
+ IRB     1e-4
+ RE      0.1039
+ RC      0.06188
+ CJC     2.73E-10
+ VJC     3.04
+ MJC     0.448
+ CJE     6.86E-10
+ VJE     2.89
+ MJE     0.466
+ XTI     3
+ XTB     -1.33
+ TRC1    1.90E-2
+ VCEO    1200
+ ICRATING 6
+ MFG     GeneSiC_Semiconductor
*End of GA06JT12 SPICE Model
```