SPICE Model Parameters

Please copy this code from the SPICE model into LTSPICE (version 4) software for simulation of the GA50JT12-247.

```
*      MODEL OF GeneSiC Semiconductor Inc.
*
*      $Revision:   3.0            $
*      $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.
*
.model GA50JT12 NPN
+ IS       9.833E-48
+ ISE      1.073E-26
+ EG       3.23
+ BF       89
+ BR       0.55
+ IKF      9000
+ NF       1
+ NE       2
+ RB       0.95
+ IRB      0.005
+ RBM      0.073
+ RE       0.004
+ RC       0.0125
+ CJC      2.124E-9
+ VJC      3.788
+ MJC      0.537
+ CJE      6.026E-09
+ VJE      3.1791
+ MJE      0.5295
+ XTI      3
+ XTB      -1.5
+ TRC1     9.00E-3
+ VCEO     1200
+ ICRATING 50
+ MFG      GeneSiC_Semiconductor
*
* End of GA50JT12 SPICE Model
```