

**SPICE Model Parameters**

Please copy this code from the SPICE model into LTSPICE (version 4) software for simulation of the GA20JT12-263.

```
*      MODEL OF GeneSiC Semiconductor Inc.
*
*      $Revision:   2.0           $
*      $Date:      20-NOV-2015   $
*
*      GeneSiC Semiconductor Inc.
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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 GA20JT12 NPN
+ IS      9.833E-48
+ ISE     1.073E-26
+ EG      3.23
+ BF      88
+ BR      0.55
+ IKF     5000
+ NF      1
+ NE      2
+ RB      3.09
+ IRB     0.006
+ RBM     0.101
+ RE      0.005
+ RC      0.035
+ CJC     910E-12
+ VJC     3.2509
+ MJC     0.51624
+ CJE     2.77e-9
+ VJE     2.896
+ MJE     0.472
+ XTI     3
+ XTB     -1.5
+ TRC1    8.500E-3
+ VCEO    1200
+ ICRATING 20
+ MFG     GeneSiC_Semiconductor
*
* End of GA20JT12 SPICE Model
```