

SPICE Model Parameters

Please copy this code from the SPICE model into LTSPICE (version 4) software for simulation of the GR1500JT12-247.

```
*      MODEL OF GeneSiC Semiconductor Inc.
*
*      $Revision:   1.0           $
*      $Date:      04-APR-2016   $
*
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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 GR1500JT12 NPN
+ IS      9.8338E-48
+ ISE     1.0733E-26
+ EG      3.23
+ BF      110
+ BR      0.55
+ IKF     5000
+ NF      1
+ NE      2
+ RB      20
+ IRB     0.002
+ RBM     0.6
+ RE      0.003
+ RC      1.5
+ CJC     25E-12
+ VJC     3
+ MJC     0.5
+ CJE     80E-12
+ VJE     3
+ MJE     0.5
+ XTI     3
+ XTB     -1.5
+ TRC1    6.5E-3
+ VCEO    1200
+ MFG     GeneSiC_Semiconductor
*
*      End of GR1500JT12 SPICE Model
```