SPICE Model Parameters

This is a secure document. Please copy this code from the SPICE model PDF file on our website (http://www.genesicsemi.com/images/hit_sic/baredie/sjt/GA10JT06-CAL_SPICE.pdf) into LTSPICE (version 4) software for simulation of the GA10JT06-CAL.

```
*     MODEL OF GeneSiC Semiconductor Inc.
*
*     $Revision:   1.1            $
*     $Date:   27-FEB-2014        $
*
*     GeneSiC Semiconductor Inc.
*     43670 Trade Center Place Ste. 155
*     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 GA10JT06 NPN
+ IS       5.08E-47
+ ISE      1.26E-28
+ EG       3.23
+ BF       125
+ BR       0.55
+ IKF      900
+ NF       1
+ NE       2.021
+ RB       0.26
+ 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      -0.35
+ TRC1     1.90E-2
+ VCEO     600
+ ICRATING 10
+ MFG      GeneSiC_Semiconductor
*
* End of GA10JT06-CAL SPICE Model
```