

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/GA05JT06-CAL_SPICE.pdf) into LTSPICE (version 4) software for simulation of the GA05JT06-CAL.

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*      MODEL OF GeneSiC Semiconductor Inc.
*
*      $Revision:   1.1           $
*      $Date: 27-FEB-2013      $
*
*      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 GA05JT06 NPN
+ IS      1.22E-47
+ ISE     3.908E-27
+ EG      3.23
+ BF      121
+ BR      0.55
+ IKF     999
+ NF      1
+ NE      2.022
+ RB      0.26
+ RE      0.231
+ RC      0.16
+ CJC     1.37E-10
+ VJC     3.150960833
+ MJC     0.43821105
+ CJE     2.97E-10
+ VJE     2.901930244
+ MJE     0.475141754
+ XTI     3
+ XTB     -0.45
+ TRC1    1.50E-02
+ VCEO    600
+ ICRATING 5
+ MFG     GeneSiC_Semiconductor
*
* End of GA05JT06-CAL SPICE Model
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