

SPICE Model Parameters

Copy the following code into a SPICE software program for simulation of the GA01PNS100-CAL device.

```
*      MODEL OF GeneSiC Semiconductor Inc.
*
*      $Revision:   1.0           $
*      $Date:      05-SEP-2013   $
*
*      GeneSiC Semiconductor Inc.
*      43670 Trade Center Place Ste. 155
*      Dulles, VA 20166
*      http://www.genesicsemi.com/index.php/sic-products/schottky
*
*      COPYRIGHT (C) 2013 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.
*
*      Start of GA01PNS100-CAL SPICE Model
*
.MODEL GA01PNS100 D
+ IS      1.00E-25
+ RS      0.49
+ N        2.1612
+ IKF     0.043903
+ EG      3.23
+ XTI     10
+ TRS1    -0.00155
+ CJO     2.28E-11
+ VJ      2.304
+ M        0.376
+ FC      0.5
+ BV     11000
+ IBV     1.00E-03
+ VPK     10000
+ IAVE     1
+ TYPE    SiC_PiN
+ MFG     GeneSiC_Semi
*
*      End of GA01PNS100-CAL SPICE Model
```