

SPICE PARAMETER
RJK005N03

by ROHM TR Div.

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* RJK005N03 NMOSFET model
* Date: 2006/09/08
* This model includes a diode between source and drain.
*****D G S
.SUBCKT RJK005N03 1 2 3
M1 1 2 3 3 MOS_N
D1 3 1 DREV
.MODEL MOS_N NMOS
+ LEVEL=3
+ L=2.0000E-6
+ W=1
+ KP=4.7040E-6
+ RS=10.000E-3
+ RD=.24999
+ VTO=1.4232
+ RDS=1.0000E6
+ TOX=2.0000E-6
+ CGSO=225.72E-12
+ CGDO=28.868E-12
+ CBD=47.388E-12
+ MJ=1.2134
+ RG=98.884
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ KAPPA=0
.MODEL DREV D
+ IS=433.59E-15
+ N=1.0831
+ RS=.13534
+ IKF=3.2557
.ENDS RJK005N03
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