

SPICE PARAMETER
RHP030N03

by ROHM TR Div.

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* RHP030N03 NMOSFET model
* Date: 2006/09/27
* This model includes a diode between source and drain.
*****D G S
.SUBCKT RHP030N03 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=12.536E-6
+ RS=10.000E-3
+ RD=59.544E-3
+ VTO=2.1402
+ RDS=1.0000E6
+ TOX=2.0000E-6
+ CGSO=180.00E-12
+ CGDO=100.53E-12
+ CBD=141.41E-12
+ MJ=.47058
+ RG=3.2195
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ KAPPA=0
.MODEL DREV D
+ IS=1.0845E-12
+ N=1.0440
+ RS=29.900E-3
+ IKF=1.0726
.ENDS RHP030N03
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