

SPICE PARAMETER
RSQ020N03

by ROHM TR Div.

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* RSQ020N03 NMOSFET model
* Date: 2006/09/28
* This model includes a diode between source and drain.
*****D G S
.SUBCKT RSQ020N03 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=11.574E-6
+ RS=10.000E-3
+ RD=64.097E-3
+ VTO=2.0686
+ RDS=1.0000E6
+ TOX=2.0000E-6
+ CGSO=167.03E-12
+ CGDO=39.818E-12
+ CBD=31.284E-12
+ MJ=.28886
+ RG=10.660
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ KAPPA=0
.MODEL DREV D
+ IS=868.70E-15
+ N=1.0990
+ RS=27.534E-3
+ IKF=.61639
.ENDS RSQ020N03
```