

SPICE PARAMETER  
RQA200N03

by ROHM TR Div.

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* RQA200N03 NMOSFET model
* Date: 2007/07/24
*****D G S
.SUBCKT RQA200N03 1 2 3
M1 11 22 3 3 MOS_N
C1 1 3 100p
D1 3 1 DDS
R1 1 11 RTH 1.5m
D2 11 21 DDG
D3 22 21 DDG
R2 2 22 8
.MODEL MOS_N NMOS
+ LEVEL=3
+ L=2.0000E-6
+ W=1
+ KP=483.29E-6
+ RS=1.0000E-3
+ RD=0
+ VTO=1.7731
+ RDS=30.000E6
+ TOX=2.0000E-6
+ CGSO=4850p
+ CGDO=350p
+ CBD=0
+ RG=0
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ ETA=500.00E-6
+ KAPPA=0
.MODEL DDS D
+ IS=4.7111E-12
+ N=.9843
+ RS=917.27E-6
+ IKF=4.0900
+ CJO=1.0189E-9
+ M=.46693
+ VJ=.61768
+ BV=30
+ TT=30.000E-9
.MODEL DDG D
+ CJO=1.4756E-9
+ M=1.0931
+ VJ=.93163
.MODEL RTH RES
+ TC1=0.009
+ TC2=0.00002
.ENDS RQA200N03
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