

SPICE PARAMETER
RRS130N03

by ROHM TR Div.

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* RRS130N03 NMOSFET model
* Date: 2008/01/22
*****D G S
.SUBCKT RRS130N03 1 2 3
M1 11 22 3 3 MOS_N
D1 3 1 DDS
R1 1 11 RTH 1.47m
D2 11 21 DDG
D3 22 21 DDG
R2 2 22 19
.MODEL MOS_N NMOS
+ LEVEL=3
+ L=2.0000E-6
+ W=1
+ KP=244.92E-6
+ RS=4.5000E-3
+ RD=0
+ VTO=1.9807
+ RDS=30.000E6
+ TOX=2.0000E-6
+ CGSO=2.5n
+ CGDO=100p
+ CBD=0
+ RG=0
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ ETA=1.0000E-3
+ KAPPA=0
.MODEL DDS D
+ IS=160.23E-12
+ N=1.1445
+ RS=3.7582E-3
+ IKF=12.539
+ CJO=321.37E-12
+ M=.58637
+ VJ=.80301
+ BV=30
.MODEL DDG D
+ CJO=2.3653E-9
+ M=.74635
+ VJ=.98128
.MODEL RTH RES
+ TC1=0.015
+ TC2=0.00005
.ENDS RRS130N03
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