

SPICE PARAMETER
RRS070N03

by ROHM TR Div.

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* RRS070N03 NMOSFET model
* Date: 2007/11/13
*****D G S
.SUBCKT RRS070N03 1 2 3
M1 11 22 3 3 MOS_N
D1 3 1 DDS
R1 1 11 RTH 7.37m
D2 11 21 DDG
D3 22 21 DDG
R2 2 22 15
.MODEL MOS_N NMOS
+ LEVEL=3
+ L=2.0000E-6
+ W=1
+ KP=89.286E-6
+ RS=10.000E-3
+ RD=0
+ VTO=1.9321
+ RDS=30.000E6
+ TOX=2.0000E-6
+ CGSO=800p
+ CGDO=35p
+ CBD=0
+ RG=0
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ ETA=1.0000E-3
+ KAPPA=0
.MODEL DDS D
+ IS=908.76E-15
+ N=.97318
+ RS=1.8440E-3
+ IKF=.46767
+ CJO=214.04E-12
+ M=.54849
+ VJ=.75924
+ BV=30
.MODEL DDG D
+ CJO=321.37E-12
+ M=.58637
+ VJ=.80301
.MODEL RTH RES
+ TC1=0.01
+ TC2=0.00003
.ENDS RRS070N03
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