

SPICE PARAMETER
RDN080N25

by ROHM TR Div.

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* RDN080N25 NMOSFET model
* Date: 2007/08/10
*****D G S
.SUBCKT RDN080N25 1 2 3
M1 11 22 3 3 MOS_N
C1 1 3 15p
D1 3 1 DDS
R1 1 11 RTH .270
D2 11 21 DDG
D3 22 21 DDG
R2 2 22 11
.MODEL MOS_N NMOS
+ LEVEL=3
+ L=2.0000E-6
+ W=1
+ KP=2.5587E-6
+ RS=10.000E-3
+ RD=0
+ VTO=2.3836
+ RDS=10.000E6
+ TOX=2.0000E-6
+ CGSO=800p
+ CGDO=10p
+ CBD=0
+ RG=0
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ ETA=100.00E-6
+ KAPPA=0
.MODEL DDS D
+ IS=4.3360E-15
+ N=.80587
+ RS=17.148E-3
+ IKF=.12734
+ CJO=328.00E-12
+ M=1.1807
+ VJ=7.9121
+ BV=250
+ TT=155n
.MODEL DDG D
+ CJO=1.2815E-9
+ M=1.1381
+ VJ=1.4261
+ BV=250
.MODEL RTH RES
+ TC1=0.0095
+ TC2=0.00003
.ENDS RDN080N25
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