

SPICE PARAMETER
RDX080N50

by ROHM TR Div.

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* RDX080N50 NMOSFET model
* Date: 2007/07/25
*****D G S
.SUBCKT RDX080N50 1 2 3
M1 11 22 3 3 MOS_N
C1 1 3 10p
D1 3 1 DDS
R1 1 11 RTH .584
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=5.5508E-6
+ RS=10.000E-3
+ RD=0
+ VTO=3.4607
+ RDS=20.000E6
+ TOX=2.0000E-6
+ CGSO=1.0261E-9
+ CGDO=15p
+ CBD=0
+ RG=0
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ ETA=100.00E-6
+ KAPPA=0
.MODEL DDS D
+ IS=44.611E-12
+ N=1.1399
+ RS=5.7765E-3
+ IKF=2.2218
+ CJO=452.22E-12
+ M=1.2285
+ VJ=16.128
+ BV=500
+ TT=490.00E-9
.MODEL DDG D
+ CJO=2.3944E-9
+ M=1.8041
+ VJ=3.3792
+ BV=500
.MODEL RTH RES
+ TC1=0.009
+ TC2=0.00004
.ENDS RDX080N50
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