

SPICE PARAMETER
MP6K62

by ROHM TR Div.

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* MP6K62 NMOSFET model
* Date: 2008/01/29
*****D G S
.SUBCKT MP6K62 1 2 3
M1 11 22 3 3 MOS_N
D1 3 1 DDS
R1 1 11 RTH 11.3m
D2 11 21 DDG
D3 22 21 DDG
R2 2 22 30
.MODEL MOS_N NMOS
+ LEVEL=3
+ L=2.0000E-6
+ W=1
+ KP=91.704E-6
+ RS=10.000E-3
+ RD=0
+ VTO=1.9811
+ RDS=30.000E6
+ TOX=2.0000E-6
+ CGSO=620p
+ CGDO=60p
+ CBD=0
+ RG=0
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ KAPPA=0
.MODEL DDS D
+ IS=5.6857E-12
+ N=1.0657
+ RS=10.789E-3
+ IKF=1.7802
+ CJO=103.19E-12
+ M=.59185
+ VJ=.66681
+ BV=30
.MODEL DDG D
+ CJO=499.59E-12
+ M=.774
+ VJ=.69155
.MODEL RTH RES
+ TC1=0.007
+ TC2=0.00001
.ENDS MP6K62
```