

SPICE PARAMETER
R5007ANX

by ROHM TR Div.

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* R5007ANX NMOSFET model
* Date: 2007/07/26
*****D G S
.SUBCKT R5007ANX 1 2 3
M1 11 22 3 3 MOS_N
C1 1 3 10p
D1 3 1 DDS
R1 1 11 RTH .762
D2 11 21 DDG
D3 22 21 DDG
R2 2 22 27
.MODEL MOS_N NMOS
+ LEVEL=3
+ L=2.0000E-6
+ W=1
+ KP=11.641E-6
+ RS=10.000E-3
+ RD=0
+ VTO=3.8791
+ RDS=5.0000E6
+ TOX=2.0000E-6
+ CGSO=600p
+ CGDO=10p
+ CBD=0
+ RG=0
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ ETA=100.00E-6
+ KAPPA=0
.MODEL DDS D
+ IS=4.9336E-12
+ N=1.0943
+ RS=13.292E-3
+ IKF=1.0129
+ CJO=985.22E-12
+ M=2.4831
+ VJ=26.951
+ BV=500
+ TT=420.00E-9
.MODEL DDG D
+ CJO=1.0329E-9
+ M=1.7547
+ VJ=1.9528
+ BV=500
.MODEL RTH RES
+ TC1=0.009
+ TC2=0.00004
.ENDS R5007ANX
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