

SPICE PARAMETER
2SK2504

by ROHM TR Div.

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* 2SK2504 NMOSFET model
* Date: 2006/10/10
* This model includes a diode between source and drain.
*****D G S
.SUBCKT 2SK2504 1 2 3
M1 1 2 3 3 MOS_N
D1 3 1 DREV
.MODEL MOS_N NMOS
+ LEVEL=3
+ L=2.0000E-6
+ W=1
+ KP=12.590E-6
+ RS=10.000E-3
+ RD=.14955
+ VTO=2.1829
+ RDS=1.0000E6
+ TOX=2.0000E-6
+ CGSO=455.66E-12
+ CGDO=90.653E-12
+ CBD=137.91E-12
+ MJ=68.150E-3
+ RG=3
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ KAPPA=0
.MODEL DREV D
+ IS=327.36E-15
+ N=.87903
+ RS=44.334E-3
+ IKF=97.173E-3
.ENDS 2SK2504
```