
2SK3142 Spice parameter

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.SUBCKT 2sk3142 1 2 3
* Model generated on May 25, 99
* MODEL FORMAT: SPICE3
* Symmetry POWER MOS Model (Version 1.0)
* External Node Designations
* Node 1 -> Drain
* Node 2 -> Gate
* Node 3 -> Source
M1 9 7 8 8 MM L=100u W=100u
* Default values used in MM:
* The voltage-dependent capacitances are
* not included. Other default values are:
* RS=0 RD=0 LD=0 CBD=0 CBS=0 CGB0=0
.MODEL MM NMOS LEVEL=1 IS=1e-32
+VTO=2.09521 LAMBDA=0.0042032 KP=213.084
+CGS0=7.11491e-05 CGD0=1.77661e-06
RS 8 3 0.00280338
D1 3 1 MD
.MODEL MD D IS=5e-09 RS=0.01 N=1 BV=300
+IBV=10 EG=1.11 XTI=3 TT=0.0001
+CJO=6.06236e-09 VJ=0.5 M=0.586205 FC=0.1
RDS 3 1 1e+06
RD 9 1 0.00381696
RG 2 7 15.1148
D2 4 5 MD1
* Default values used in MD1:
* RS=0 EG=1.11 XTI=3.0 TT=0
* BV=infinite IBV=1mA
.MODEL MD1 D IS=1e-32 N=50
+CJO=1.13206e-09 VJ=0.5 M=0.442853 FC=1e-08
D3 0 5 MD2
* Default values used in MD2:
* EG=1.11 XTI=3.0 TT=0 CJO=0
* BV=infinite IBV=1mA
.MODEL MD2 D IS=1e-10 N=0.4 RS=3e-06
RL 5 10 1
FI2 7 9 VFI2 -1
VFI2 4 0 0
EV16 10 0 9 7 1
CAP 11 10 1.13206e-09
FI1 7 9 VFI1 -1
VFI1 11 6 0
RCAP 6 10 1
D4 0 6 MD3
* Default values used in MD3:
* EG=1.11 XTI=3.0 TT=0 CJO=0
* RS=0 BV=infinite IBV=1mA
.MODEL MD3 D IS=1e-10 N=0.4
.ENDS 2sk3142
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