

* Model for NMOS transistor

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.MODEL ami06N NMOS (
+VERSION = 3.2          TNOM      = 27          LEVEL   = 8
+NCH       = 1.7E17     VTH0    = 0.6429327   TOX      = 1.4E-8
+K1        = 0.9000289  K2       = -0.107613   K3       = 25.2759275
+K3B       = -8.3994254 W0        = 1E-8       NLX      = 1E-9
+DVT0W     = 0          DVT1W   = 0          DVT2W   = 0
+DVT0      = 2.8022093  DVT1    = 0.444009   DVT2    = -0.1416727
+U0        = 445.5561298 UA        = 1E-13     UB       = 1.362333E-18
+UC        = 7.096474E-12 VSAT     = 1.636634E5   A0       = 0.6036695
+AGS       = 0.1337541  B0       = 2.628741E-6 B1       = 5E-6
+KETA      = -1.772978E-3 A1       = 2.389998E-4 A2       = 0.3630421
+RDSW     = 1.18102E3  PRWG     = 0.078332  PRWB    = 0.0419119
+WR        = 1          WINT     = 2.434318E-7 LINT     = 7.757158E-8
+XL        = 1E-7      DWG      = -7.96929E-9
+DWB       = 4.850872E-8 VOFF     = 0          NFACTOR = 0.9169218
+CIT       = 0          CDSC     = 2.4E-4     CDSCD   = 0
+CDSCB    = 0          ETA0    = 3.75392E-3   ETAB    = -5.591826E-5
+DSUB     = 0.1525772  PCLM    = 2.5213573  PDIBLC1 = 1
+PDIBLC2  = 3.431795E-3 PDIBLCB = -0.0496671  DROUT   = 1.0119109
+PSCBE1   = 6.156161E8 PSCBE2  = 1.167827E-4 PVAG    = 0
+DELTA    = 0.01      RSH     = 83.2       MOBMOD  = 1
+PRT      = 0          UTE     = -1.5      KT1     = -0.11
+KT1L     = 0          KT2     = 0.022     UA1     = 4.31E-9
+UB1      = -7.61E-18 UC1     = -5.6E-11  AT      = 3.3E4
+WL        = 0          WLN     = 1         WW      = 0
+WWN      = 1          WWL     = 0         LL      = 0
+LLN      = 1          LW      = 0         LWN     = 1
+LWL      = 0          CAPMOD  = 2         XPART  = 0.5
+CGDO     = 1.98E-10  CGSO    = 1.98E-10  CGBO    = 1E-9
+CJ        = 4.213189E-4 PB       = 0.9096858  MJ      = 0.4299892
+CJSW     = 2.868393E-10 PBSW    = 0.8         MJSW   = 0.1691219
+CJSWG    = 1.64E-10  PBSWG   = 0.8         MJSWG  = 0.1691219
+CF        = 0          PVTH0   = 0.0450737 PRDSW   = 317.3628776
+PK2      = -0.0248633 WKETA   = -0.0238492 LKETA   = -4.362509E-5 )
*
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* Model for PMOS Transistor

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.MODEL ami06P PMOS (
+VERSION = 3.2          TNOM      = 27          LEVEL   = 8
+NCH       = 1.7E17     VTH0    = -0.9133924  TOX      = 1.4E-8
+K1        = 0.5386771  K2       = 0.0119049   K3       = 9.1381569
+K3B       = -0.8961725 W0        = 1.139181E-7 NLX      = 2.054215E-8
+DVT0W     = 0          DVT1W   = 0          DVT2W   = 0
+DVT0      = 2.4684975  DVT1    = 0.6216302  DVT2    = -0.1306966
+U0        = 206.3128079 UA        = 2.69015E-9   UB       = 1.470132E-21
+UC        = -6.3592E-11 VSAT     = 1.80002E5   A0       = 0.8788909
+AGS       = 0.1349032  B0       = 4.034167E-7 B1       = 6.053238E-7
+KETA      = -2.542461E-3 A1       = 3.868745E-5 A2       = 0.3
+RDSW     = 3E3        PRWG     = -0.0152192 PRWB    = -0.0177942
+WR        = 1          WINT     = 2.645308E-7 LINT     = 9.191379E-8
+XL        = 1E-7      DWG      = -9.209777E-9
+DWB       = 2.27325E-8 VOFF     = -0.0733107   NFACTOR = 0.7527758
+CIT       = 0          CDSC     = 2.4E-4     CDSCD   = 0
+CDSCB    = 0          ETA0    = 0.2988033   ETAB    = -0.0702691
+DSUB     = 1          PCLM    = 2.1144949  PDIBLC1 = 0.0451138
+PDIBLC2  = 3.563751E-3 PDIBLCB = -0.0580388  DROUT   = 0.224565
+PSCBE1   = 5.318515E9 PSCBE2  = 5E-10       PVAG    = 0.0149833
+DELTA    = 0.01      RSH     = 105.4     MOBMOD  = 1
+PRT      = 0          UTE     = -1.5      KT1     = -0.11
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|--------|----------------|--------|--------------|-------|------------------|
| +KT1L | = 0 | KT2 | = 0.022 | UA1 | = 4.31E-9 |
| +UB1 | = -7.61E-18 | UC1 | = -5.6E-11 | AT | = 3.3E4 |
| +WL | = 0 | WLN | = 1 | WW | = 0 |
| +WWN | = 1 | WWL | = 0 | LL | = 0 |
| +LLN | = 1 | LW | = 0 | LWN | = 1 |
| +LWL | = 0 | CAPMOD | = 2 | XPART | = 0.5 |
| +CGDO | = 2.48E-10 | CGSO | = 2.48E-10 | CGBO | = 1E-9 |
| +CJ | = 7.240109E-4 | PB | = 0.9510249 | MJ | = 0.4941883 |
| +CJSW | = 2.677225E-10 | PBSW | = 0.99 | MJSW | = 0.2893563 |
| +CJSWG | = 6.4E-11 | PBSWG | = 0.99 | MJSWG | = 0.2893563 |
| +CF | = 0 | PVTH0 | = 5.98016E-3 | PRDSW | = 14.8598424 |
| +PK2 | = 3.73981E-3 | WKETA | = 9.50167E-4 | LKETA | = -4.574593E-3) |