\*BSIM3\_035.lib  
\*Speed parameters SN and SP  
\*.PARAM SN=0 SP=0; Un-comment this command for use with only typical models  
.MODEL NMOS-BSIM NMOS LEVEL = 49  
+VERSION = 3.1 TNOM = 27 TOX = {7.8E-9/(1+SN/20)}  
+XJ = 1E-07 NCH = 2.18E+17 VTH0 = {0.48-SN/10}  
+K1 = 6.07E-01 K2 = 1.24E-03 K3 = 9.68E+01  
+K3B = -9.84E+00 W0 = 2.02E-05 NLX = 1.62E-07  
+DVT0W = 0 DVT1W = 0 DVT2W = 0  
+DVT0 = 2.87E+00 DVT1 = 5.86E-01 DVT2 = -1.26E-01  
+U0 = {360\*(1+SN/20)\*\*2} UA = -8.48E-10 UB = 2.27E-18  
+UC = 3.27E-11 VSAT = 1.87E+05 A0 = 1.22E+00  
+AGS = 2.06E-01 B0 = 9.60E-07 B1 = 4.95E-06  
+KETA = -1.67E-04 A1 = 0 A2 = 3.49E-01  
+RDSW = 8.18E+02 PRWG = 2.35E-02 PRWB = -8.12E-02  
+WR = 9.98E-01 WINT = 1.55E-07 LINT = 4.51E-10  
+DWG = -4.27E-09  
+DWB = 4.07E-09 VOFF = -4.14E-02 NFACTOR = 1.61E+00  
+CIT = 0 CDSC = 2.39E-04 CDSCD = 0.00E+00  
+CDSCB = 0 ETA0 = 1 ETAB = -1.99E-01  
+DSUB = 1 PCLM = 1.32E+00 PDIBLC1 = 2.42E-04  
+PDIBLC2 = 8.27E-03 PDIBLCB = -9.99E-04 DROUT = 9.72E-04  
+PSCBE1 = 7.24E+08 PSCBE2 = 9.96E-04 PVAG = 1.00E-02  
+DELTA = 1.01E-02 RSH = 3.33E+00 MOBMOD = 1  
+PRT = 0 UTE = -1.5 KT1 = -1.11E-01  
+KT1L = 0 KT2 = 2.22E-02 UA1 = 4.34E-09  
+UB1 = -7.56E-18 UC1 = -5.62E-11 AT = 3.31E+04  
+WL = 0 WLN = 9.95E-01 WW = 0  
+WWN = 1.00E+00 WWL = 0 LL = 0  
+LLN = 1 LW = 0 LWN = 1  
+LWL = 0 CAPMOD = 2 XPART = 0.5  
+CGDO = 2.76E-10 CGSO = 2.76E-10 CGBO = 1.00E-12  
+CJ = {9e-4/(1+SN/20)} PB = 7.95E-01 MJ = 3.53E-01  
+CJSW = {2.8e-10/(1+SN/20)} PBSW = 7.98E-01 MJSW = 1.73E-01  
+CJSWG = 1.81E-10 PBSWG = 7.96E-01 MJSWG = 1.74E-01  
+CF = 0 PVTH0 = -1.80E-02 PRDSW = -7.56E+01  
+PK2 = 4.48E-05 WKETA = -1.33E-03 LKETA = -8.91E-03