\* DATE: Jul 12/06

\* LOT: T64H WAF: 0005

\* Temperature\_parameters=Default

.MODEL CMOSN NMOS ( LEVEL = 8

+VERSION = 3.2 TNOM = 27 TOX = 4.1E-9

+XJ = 1E-7 NCH = 2.3549E17 VTH0 = 0.3823463

+K1 = 0.5810697 K2 = 4.774618E-3 K3 = 0.0431669

+K3B = 1.1498346 W0 = 1E-7 NLX = 1.910552E-7

+DVT0W = 0 DVT1W = 0 DVT2W = 0

+DVT0 = 1.2894824 DVT1 = 0.3622063 DVT2 = 0.0713729

+U0 = 280.633249 UA = -1.208537E-9 UB = 2.158625E-18

+UC = 5.342807E-11 VSAT = 9.366802E4 A0 = 1.7593146

+AGS = 0.3939741 B0 = -6.413949E-9 B1 = -1E-7

+KETA = -5.180424E-4 A1 = 0 A2 = 1

+RDSW = 105.5517558 PRWG = 0.5 PRWB = -0.1998871

+WR = 1 WINT = 7.904732E-10 LINT = 1.571424E-8

+XL = 0 XW = -1E-8 DWG = 1.297221E-9

+DWB = 1.479041E-9 VOFF = -0.0955434 NFACTOR = 2.4358891

+CIT = 0 CDSC = 2.4E-4 CDSCD = 0

+CDSCB = 0 ETA0 = 3.104851E-3 ETAB = -2.512384E-5

+DSUB = 0.0167075 PCLM = 0.8073191 PDIBLC1 = 0.1666161

+PDIBLC2 = 3.112892E-3 PDIBLCB = -0.1 DROUT = 0.7875618

+PSCBE1 = 8E10 PSCBE2 = 9.213635E-10 PVAG = 3.85243E-3

+DELTA = 0.01 RSH = 6.7 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 = 7.08E-10 CGSO = 7.08E-10 CGBO = 1E-12

+CJ = 9.68858E-4 PB = 0.8 MJ = 0.3864502

+CJSW = 2.512138E-10 PBSW = 0.809286 MJSW = 0.1060414

+CJSWG = 3.3E-10 PBSWG = 0.809286 MJSWG = 0.1060414

+CF = 0 PVTH0 = -1.192722E-3 PRDSW = -5

+PK2 = 6.450505E-5 WKETA = -4.27294E-4 LKETA = -0.0104078

+PU0 = 6.3268729 PUA = 2.226552E-11 PUB = 0

+PVSAT = 969.1480157 PETA0 = 1E-4 PKETA = -1.049509E-3 )

\*

.MODEL CMOSP PMOS ( LEVEL = 8

+VERSION = 3.2 TNOM = 27 TOX = 4.1E-9

+XJ = 1E-7 NCH = 4.1589E17 VTH0 = -0.3938813

+K1 = 0.5479015 K2 = 0.0360586 K3 = 0.0993095

+K3B = 5.7086622 W0 = 1E-6 NLX = 1.313191E-7

+DVT0W = 0 DVT1W = 0 DVT2W = 0

+DVT0 = 0.4911363 DVT1 = 0.2227356 DVT2 = 0.1

+U0 = 115.6852975 UA = 1.505832E-9 UB = 1E-21

+UC = -1E-10 VSAT = 1.329694E5 A0 = 1.7590478

+AGS = 0.3641621 B0 = 3.427126E-7 B1 = 1.062928E-6

+KETA = 0.0134667 A1 = 0.6859506 A2 = 0.3506788

+RDSW = 168.5705677 PRWG = 0.5 PRWB = -0.4987371

+WR = 1 WINT = 0 LINT = 3.028832E-8

+XL = 0 XW = -1E-8 DWG = -2.349633E-8

+DWB = -7.152486E-9 VOFF = -0.0994037 NFACTOR = 1.9424315

+CIT = 0 CDSC = 2.4E-4 CDSCD = 0

+CDSCB = 0 ETA0 = 0.0608072 ETAB = -0.0426148

+DSUB = 0.7343015 PCLM = 3.2579974 PDIBLC1 = 7.229527E-6

+PDIBLC2 = 0.025389 PDIBLCB = -1E-3 DROUT = 0

+PSCBE1 = 1.454878E10 PSCBE2 = 4.202027E-9 PVAG = 15

+DELTA = 0.01 RSH = 7.8 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 = 6.32E-10 CGSO = 6.32E-10 CGBO = 1E-12

+CJ = 1.172138E-3 PB = 0.8421173 MJ = 0.4109788

+CJSW = 2.242609E-10 PBSW = 0.8 MJSW = 0.3752089

+CJSWG = 4.22E-10 PBSWG = 0.8 MJSWG = 0.3752089

+CF = 0 PVTH0 = 1.888482E-3 PRDSW = 11.5315407

+PK2 = 1.559399E-3 WKETA = 0.0319301 LKETA = 2.955547E-3

+PU0 = -1.1105313 PUA = -4.62102E-11 PUB = 1E-21

+PVSAT = 50 PETA0 = 1E-4 PKETA = -4.346368E-3 )

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