

DIMENSIONAMENTO MOSFET - 2 STADI nom

| tipo | PMOS T1 | PMOS T2 | NMOS T3 | NMOS T4 | PMOS T5 | NMOS T6 | PMOS T7 | PMOS T8 |
|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| K'n/p [A/V ²] | 4,00E-05 | 4,00E-05 | 1,00E-04 | 1,00E-04 | 4,00E-05 | 1,00E-04 | 4,00E-05 | 4,00E-05 |
| ID [A] | 1,00E-04 | 1,00E-04 | 1,00E-04 | 1,00E-04 | 2,00E-04 | 5,00E-04 | 5,00E-04 | 4,00E-05 |
| W [um] | 62,5 | 62,5 | 25 | 25 | 125 | 125 | 312,5 | 25 |
| L [um] | 0,5 | 0,5 | 0,5 | 0,5 | 0,5 | 0,5 | 0,5 | 0,5 |
| W/L | 125 | 125 | 50 | 50 | 250 | 250 | 625 | 50 |
| Vov [V] | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 |
| VA [V] | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Lambda (1/VA) | 0,05 | 0,05 | 0,05 | 0,05 | 0,05 | 0,05 | 0,05 | 0,05 |
| gm [A/V] | 1,00E-03 | 1,00E-03 | 1,00E-03 | 1,00E-03 | 2,00E-03 | 5,00E-03 | 5,00E-03 | 4,00E-04 |
| ro [Ohm] | 2,00E+05 | 2,00E+05 | 2,00E+05 | 2,00E+05 | 1,00E+05 | 4,00E+04 | 4,00E+04 | 5,00E+05 |
| tox [m] | 1,40E-08 | 1,40E-08 | 1,40E-08 | 1,40E-08 | 1,40E-08 | 1,40E-08 | 1,40E-08 | 1,40E-08 |
| E ox [F/m] | 3,4515E-11 | 3,4515E-11 | 3,4515E-11 | 3,4515E-11 | 3,4515E-11 | 3,4515E-11 | 3,4515E-11 | 3,4515E-11 |
| Cox [F/um ²] | 2,47E-15 | 2,47E-15 | 2,47E-15 | 2,47E-15 | 2,47E-15 | 2,47E-15 | 2,47E-15 | 2,47E-15 |
| Cgs [F] | 5,14E-14 | 5,14E-14 | 2,05E-14 | 2,05E-14 | 1,03E-13 | 1,03E-13 | 2,57E-13 | 2,05E-14 |
| fp' [Hz] | | | fp'1= | 1,55E+07 | fp'2= | 3,98E+06 | | |
| Cap [F] | Cc | 1,60E-12 | | | CL | 2,00E-12 | | |
| | ft [Hz] | 9,95E+07 | | | fp2 [Hz] | 3,98E+08 | | |
| | SR [V/s] | 1,25E+08 | | | | | | |

