FET HW 1 Id (6a1) = 2 Kp ( Vss-Vin) 2 x 4 = 1 x15x106x (3-0.5)2x1 Id(sat) = (0,3/25mA Vd sat = V65-Vr0=3,=0,5 = 2,5v (2) Id- 2 x25 x10-6 x (-3-(-0.5)) 2x = 25×10 8 × 39,0625 XQ Id Sat = 0,3125 mx VO sat = VGS - VTO = = 3+0.5 = - 2.5v Vis. : 5 (5 i) 1 a) Ron = 1 = 1 Kn' W (Vos-Vin) 4 (100m/ )(5002) (5v-0.75v) / = 4.70s8 = 1×10° (100 LA)(500 D)(3,3-0.75) = (100 A)(1275 DV) = (7.843) - W

(1)

VUS (VIN CULIOFF

drain current -0

