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Q1

D C B D A

Q2

(1)

Based on the majority charge carriers, the MOSFETs can be divided into NMOS and PMOS. NMOS use N-type material and PMOS use P-type material as channel.

The characteristics of NMOS, Vgs greater than a certain value will be turned on, suitable for the source grounding situation (low-end drive). The characteristics of PMOS, Vgs less than a certain value will be turned on, suitable for the source of VCC (high-end drive).

(2)

Pinch off regions (when VGS>VT): there is no current through the c

Linear Region (when 0 < VDS < VGS – VT): Its properties are similar to Ohm's law. The current is approximatively linearly dependent on VDS.

Saturation region(When VDS > VGS – VT): no more current should ideally flow. In practice, the current will approximate a steady constant current.

Q3

图示

描述已自动生成

Q4

文本, 信件

描述已自动生成

Q5

一些文字和图案

描述已自动生成