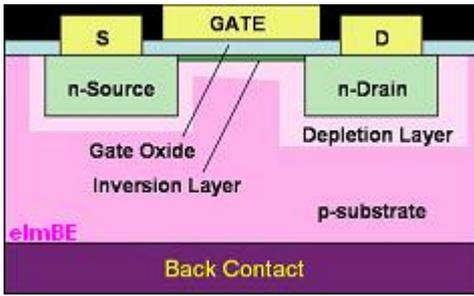


MOSFET



MOSFET(Metal-Oxide Semiconductor Field Effect Transistor)

MOS

source drain

gate

가

MOS

MOS gate,source,drain 3

base,emitter,collector

gate

source drain

bipolar

Bipolar

MOS

gate

가

가

Bipolar

가 base

가

MOS

gate

Source

.Gate

gate

가

P

MOSFET

PMOS

drain

source

drain

N

MOS

N

MOSFET

NMOS

P

MOS

gate

가

gate

NMOS

gate (+)

가

gate

(+)가 가

.Gate (+)

가

NMOS

source

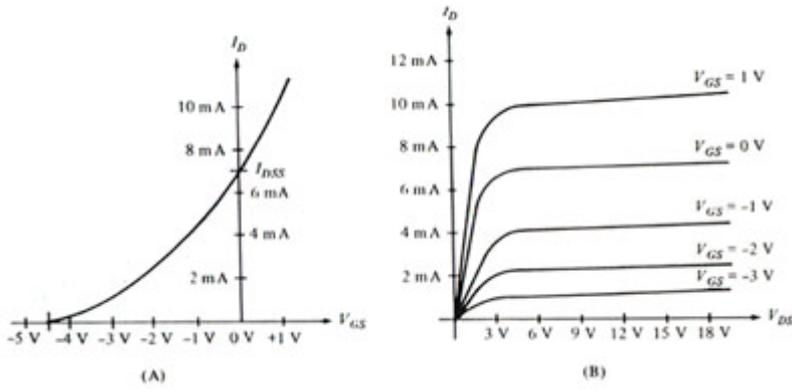
drain

(-)가 가

MOS

enhancement-mode MOS

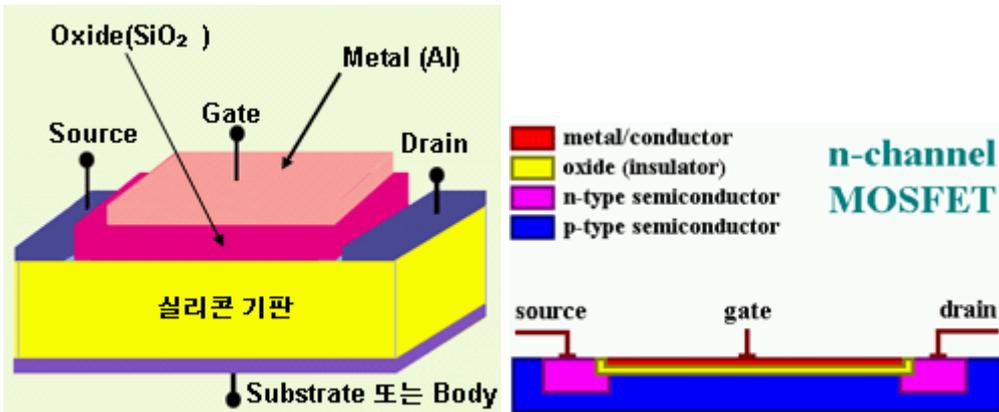
가



(A) gate drain-source . Gate-Source
 (+,-)가 . JFET
 (B) MOSFET가 drain-source 3V gate

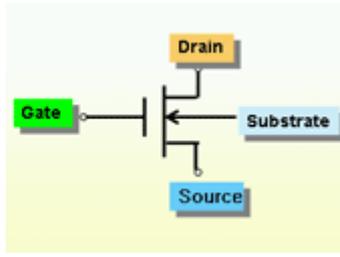
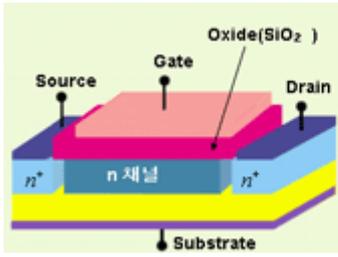
MOSFET

MOSFET . Gate source,drain AI
 SiO2가 MOS
 gate (+),(-)가
 1013Ω
 substrate 가
 source



MOSFET

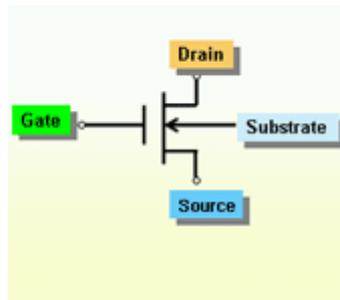
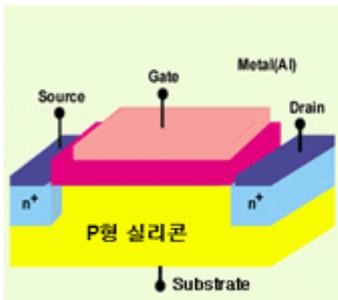
Depletion MOSFET



MOSFET
가

. Depletion
source-drain
source-drain

Enhancement MOSFET



source-drain
가
P N

, gate
gate
Inverse Layer

- Semipark

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