

Transistors

3 Terminal and 2 Junction (Pn)

Transference resistance - current 2 Terminals can be controlled by I/V Through other 2 Ter.

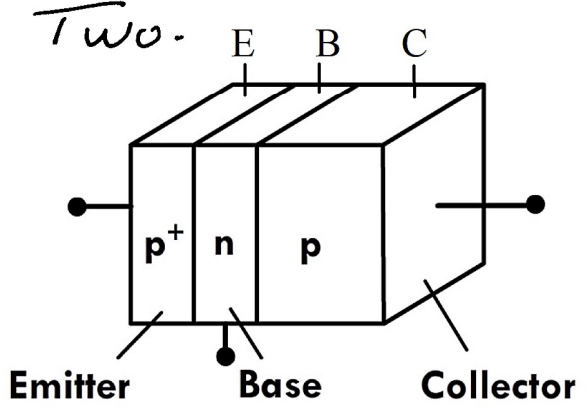
Transistor \rightarrow Amplifier

Transistor \rightarrow BJT Bipolar Junction Transistor
FET Field effect Transistor
MOSFET Metal oxide semiconductor FET

BJT

PnP Transistor

- ① Emitter heavily doped P^+
- ② Base n Type Less Thickness
- ③ collector P Type Larger Thickness than other two.



P^+n (EB) \rightarrow depletion width is almost in Base

Pn (BC) depletion region is in Base and collector