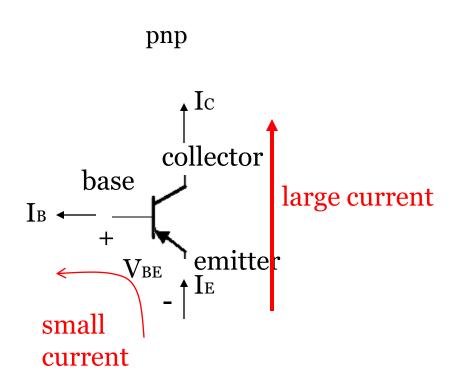
BJT transistors

Summary of pnp transistor behavior



Power Across BJT

- $\bullet P_{BJT} = V_{CE} * i_{CE}$
- Should be below the rated transistor power
- Should be kept in mind when considering heat dissipation
- Reducing power increases efficiency

Summary of equations for a BJT

 $I_E \approx I_C$

 $I_C = \beta I_B$

β is the current gain of the transistor ≈ 100

 $V_{BE} = 0.7V(npn)$

 $V_{BE} = -0.7V(pnp)$

Graphical representation of transistor characteristics

