	Common-Emitter	Common-Base	Common-Collector
Input Impedance Z_{in}	Moderate $R_1 \| R_2 \| r_\pi$	Low $R_E \| r_\pi \| \frac{1}{g_m}$	High $R_1 \| R_2 \| \left[r_\pi + (1+\beta_0) R_E \| R_L \right]$
Output Impedance Z_{out}	Moderate R_C	Moderate R_C	Low $R_E \| \left[\frac{r_\pi + R_1 \| R_2 \| R_S}{1+\beta_0} \right]$
Voltage Gain $A_{V_i} = \frac{V_{out}}{V_{in}}$	High Inverting $-g_m (R_C \| R_L)$	High $g_m (R_C \| R_L)$	Low < 1 $\frac{(1+\beta_0) R_E \| R_L}{r_\pi + (1+\beta_0) R_E \| R_L}$
Current Gain $A_I = \frac{I_{out}}{I_{in}} = A_{V_i} \left(\frac{Z_{in}}{R_L} \right)$	High	Low < 1	High
Power Gain $A_P = \frac{V_{out} I_{out}}{V_{in} I_{in}} = A_{V_i}^2 \left(\frac{Z_{in}}{R_L} \right)$	High	Moderate	Moderate
Capacitor controlling ω_L	C_E	C_{in}	C_{out}
Capacitor controlling ω_H	C_u (Miller Effect)	C_u	C_u

Assuming $r_d = \infty$