

geg.: $U_B := 12\text{V}$, $U_D := 0.6\text{V}$, $U_{BE} := 0.7\text{V}$, $I_{Bias} := 0.005\text{A}$, $I_D := 0.001\text{A}$

Bias Current:

$$R_{LED} := \frac{U_B - 2 \cdot U_D}{I_D} = 10800 \text{ Ohm} \quad R_{LED} := 10000 \text{ Ohm}$$

$$R_E := \frac{2 \cdot U_D - U_{BE}}{I_{Bias}} = 100 \text{ Ohm} \quad R_E := 100 \text{ Ohm}$$

$$R_C := 330 \text{ Ohm} \rightarrow \text{simulated!}$$