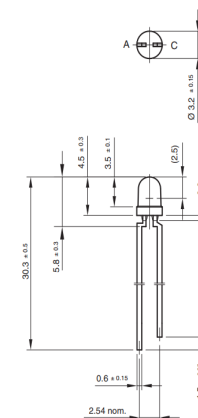
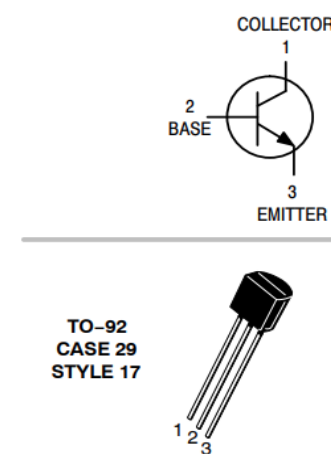
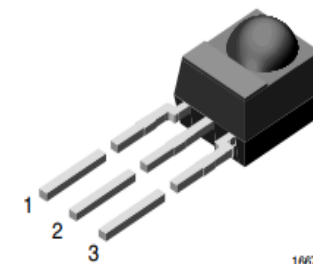


2N2222A NPN saturation
 $I_c = (5 - 1.35) / 47 = 78\text{mA}$
 $\text{Beta}_{\text{min}} = 50$
 $I_b > I_c / \text{Beta}_{\text{min}} = 78 / 50 = 1.56\text{mA}$
 $R_1 < (5 - 0.7) / 1.56 = 2.75\text{k}\Omega$



MECHANICAL DATA
Pinning for TSOP44..., TSOP48...:
1 = OUT, 2 = GND, 3 = V_S
Pinning for TSOP22..., TSOP24...:
1 = OUT, 2 = V_S , 3 = GND



TITLE: Sheet_1		REV: 1.0
	Company: Your Company	Sheet: 1/1
	Date: 2023-07-23 Drawn By: SCA	