## NTC-TYPE

NTC = D IF HOT TI PLY MAKING MORE

COPULENT FLOW THROUGH IT AND

THROUGH THE LED. THE BIZICHTMESSO

ZV OF THE LED WILL CLO UP.

THE BRIGHTNESS WE DECRE ASE ASE WELL.

WELL.

HOT: HICH ROLL TNESS COLD IS ON BRICHTNESS

=0 HOT: HIGH BRICTNESS, GOOD WW BRIGHTNESS
=0 TEMPENATURE SENSOR

MATA - TOOLS

T R

DEPENDS

OUTHE

SOC 400 DEVICE

\$5°C

YKS

PCOT T-R GROPA

R

FOR MUCA:

R = Ro e

(A To)

puense

NGCOTIONSOID

Ro = DESISTANCE AT TEMPENOTURG TO [4]

R = NEW NESISTANCE AT TEMPR. 7 [H]

Trecum = Tcocsius + 273.75

CONSE QUE NTRY

 $\beta = \ln\left(\frac{R_1}{R_2}\right) \left(\frac{1}{T_1} - \frac{1}{T_2}\right)^{-7}$ 

EXERCISE  $R_1 = 10 \text{ tr} 2 = 25^{\circ} \text{ c} = 297.15 \text{ tr}$   $R_2 = 30 \text{ hr}$   $T_2 = 0^{\circ} \text{ c} = 273.15 \text{ tr}$ 

(a) CACC UCBTE B CONSTONY  $B = \ln \left( \frac{P_4}{P_2} \right) \left( \frac{T_1}{T_1} - \frac{T_2}{T_2} \right)^{-\frac{1}{2}} = 3775$ 

(b) CALCULO TE R3 WAEN T3=150°C = 623,75°k R3= R4 e B (743-741) = 291.68 0