

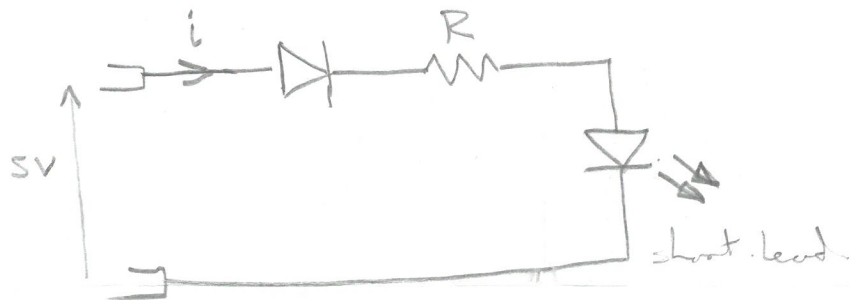
LED

Maxlin NZ1FN

Obs Max IF 25mA

$V_R$  5V

Characteristic  $V_f$  3.5 @  $I_f = 20mA$



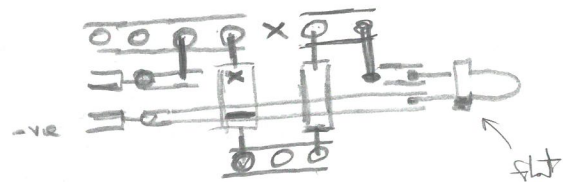
$$V_R = 5 - (\cancel{0.7 \times 2}) 0.7 - 3.5$$

$$V_R = \cancel{2.4} 0.8$$

$$I_{TARGET} = 20mA$$

$$R_T = \frac{\cancel{3.6} 0.8}{.020}$$
$$= \frac{40}{.020} \Omega$$

$$Use \frac{\cancel{47}}{47} \Omega$$



Measured 13<sup>th</sup> Jan 2022 13mA