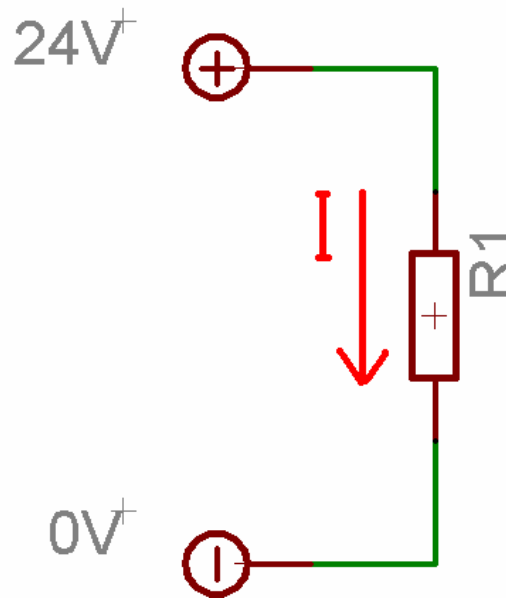


# Vool, pinge, Ohmi seadus

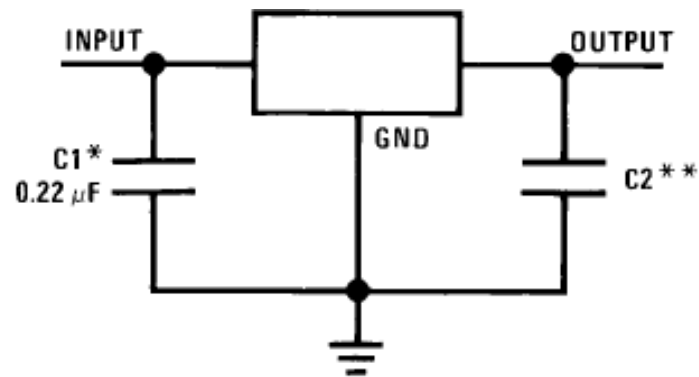
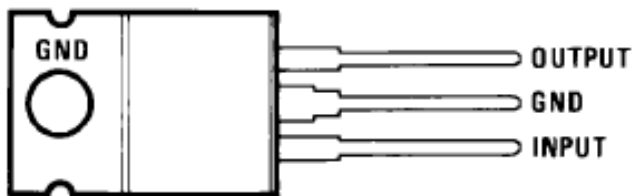
$$I = U/R$$



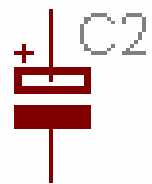
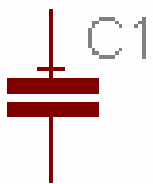
# Pingeregulaator

ing k *fixed voltage regulator*

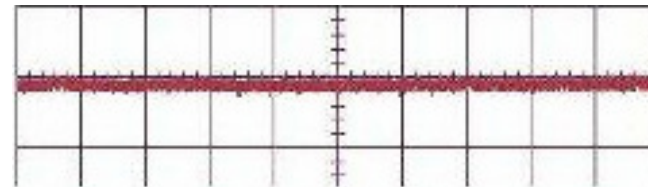
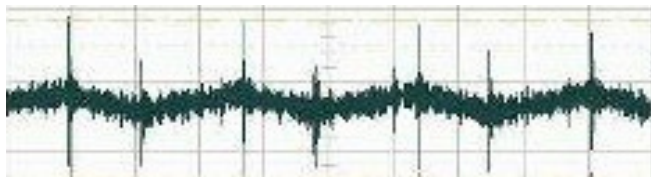
TO-220 Power Package (T)



# Kondensaator ing k - *capacitor*

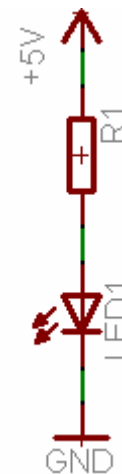


$$X_c = \frac{1}{2\pi f C}$$



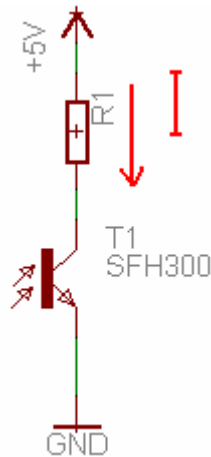
# Valgusdiood ing k *LED – Light Emitting Diode*

$$R1 = (5 - V_f) * I$$



# Fototransistor

ing k – *photo transistor*



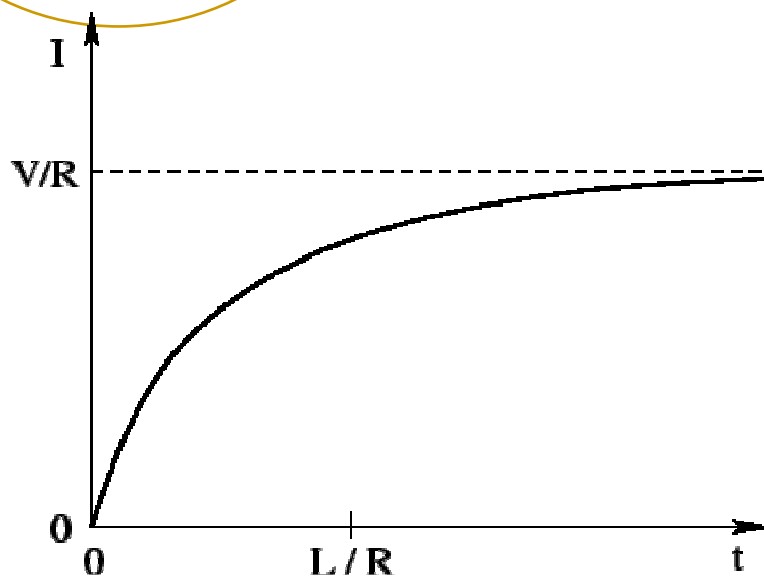
$$I_{\max} = 50\text{mA}$$

$$R1 > U / I_{\max} \Rightarrow R1 > 5 / 0,05$$

$$R1 > 100\Omega$$

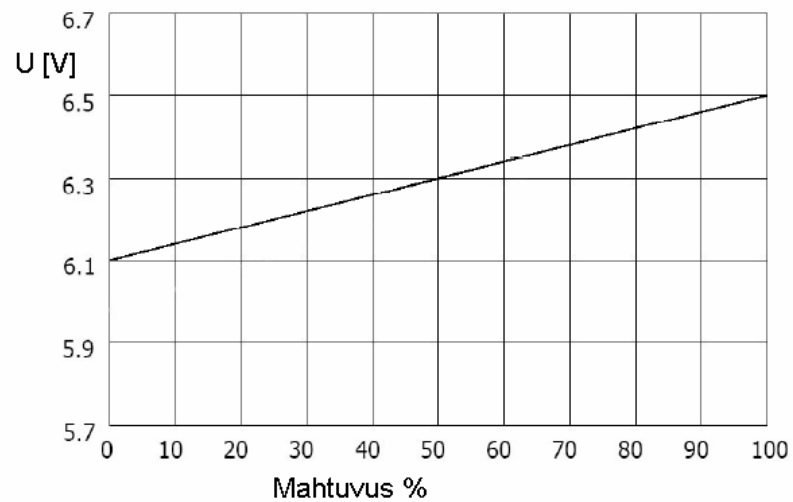


# Induktiivsus juhtmetes





# Pliiaku

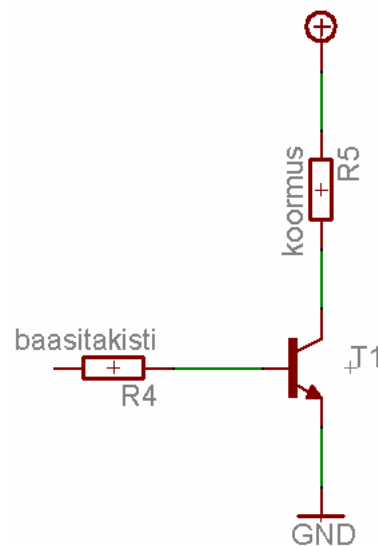


- +Odav
- +töökindel
- suur ja raske



# Transistor

ing k *transistor*

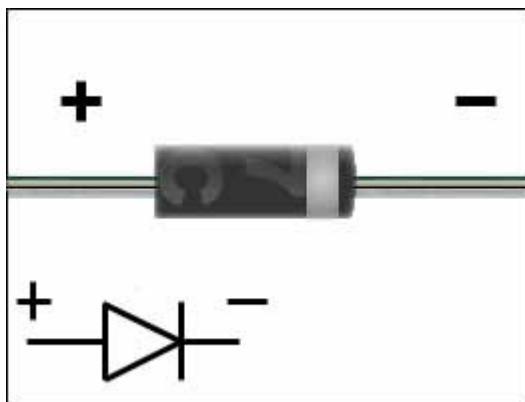


Võimendi  
Lüliti

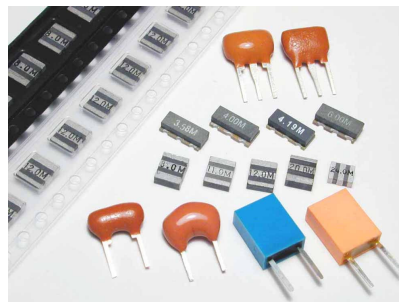


# Diod

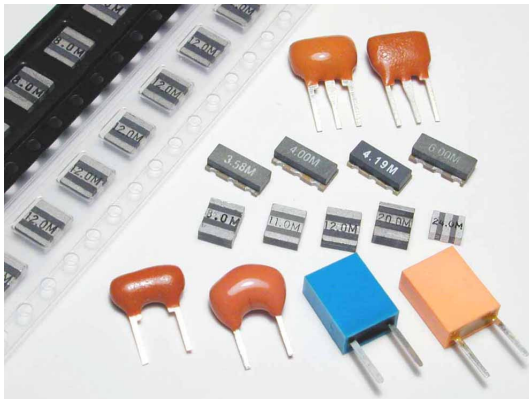
ing k *diode*



Juhib voolu ühes suunas



# Resonaator ing k *resonator*



Taktsageduse  
genereerimiseks

