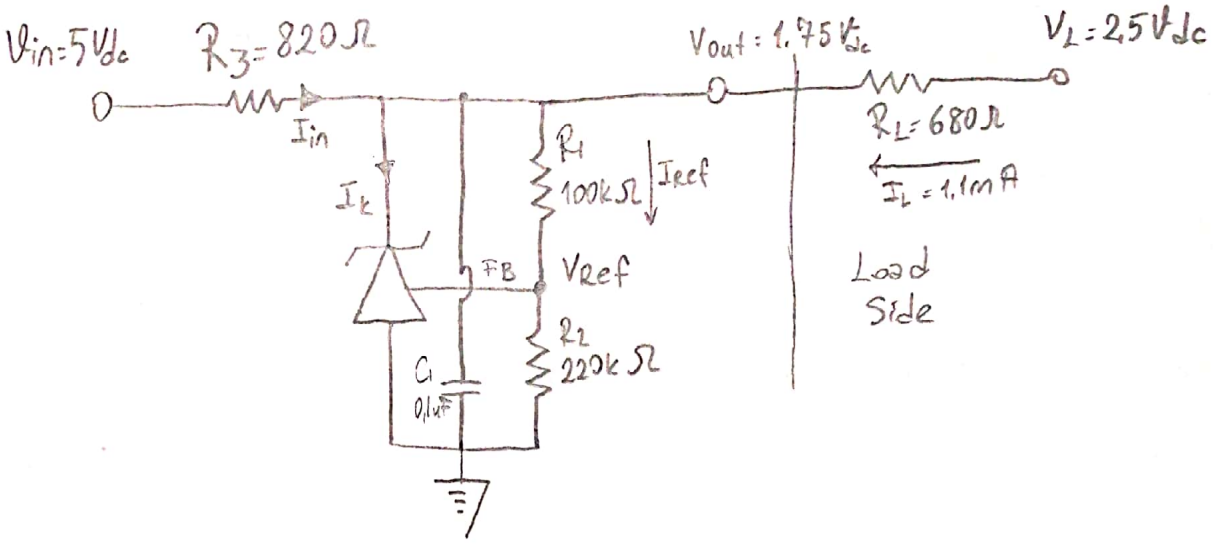


$V_{ref} = 1.24 V_{dc}$

$-0,05mA < I_{Ref} < 3mA$

$0,1mA < I_{KA} < 15mA$

} As told in datasheet

$$R_3 = \frac{V_{in} - V_{out}}{I_K + I_L + I_{ref}}$$

lets ignore $I_{ref}$ since it needs to be too small (5-6nA)

Assuming $I_K \cong 5mA$ since we don't want it to draw too much power

$\therefore I_{in} \cong 4mA$

$R_3 = 820\Omega$ market value (1/4 metal film)

let $R_1 = 100k\Omega$ (1/4 metal film)

$$V_{out} = V_{ref}\left(1 + \frac{100k\Omega}{R_2}\right)$$

$$1.75V = 1.24\left(1 + \frac{100k\Omega}{R_2}\right)$$

$R_2 = 220k\Omega$ market value (1/4 metal film)

$$V_{out} = 1.24\left(1 + \frac{100k\Omega}{220k\Omega}\right) = 1.803V$$

good enough for me

$I_{ref} \ll I_{in}$ since it's voltage divider current

Roughly $I_{ref} = \frac{1.8V}{320k} \cong 5,6nA$ (It's between range)