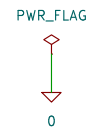


$R_{SENSE} (R2)$
 $R_{SENSE} = V_{REF} / (I_{LOAD} - I_{AK})$
 $R_{SENSE} = 2.5V / (50mA - 35\mu A)$
 $R_{SENSE} = 50.035 \text{ ohm} \rightarrow 49.9 \text{ ohm}$

$R_Z (R1)$
 $R_Z = (V_{IN} - V_{REF} - V_{BE}) / (((I_{LOAD} / \beta) + I_{AK}))$
 $R_Z = (7V - 2.5V - 0.7V) / (((50mA / 100) + 35\mu A))$
 $R_Z = 7102.8 \text{ ohm} \rightarrow 7.15 \text{ Kohm}$



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