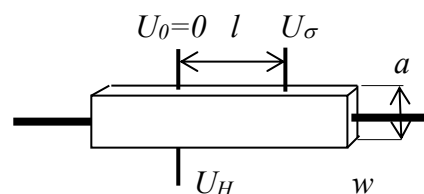


| Měrný odpor ρ | | Hallův koeficient R_H | | Pohyblivost μ | | Koncentrace volných nositelů náboje n | | | |
|--|------------------------------------|---|---|---|--|---|--|---|--------------------------------------|
| $\rho = \frac{U_\sigma}{I} \frac{aw}{l}$ | | $R_H = \frac{U_H w}{IB}$ | | $\mu_H = R_H \sigma$ | | $n = \frac{r_H}{e_0 R_H} \quad (n \gg p)$ | | | |
| $U_\sigma = \frac{1}{2} (U_{\sigma^+} - U_{\sigma^-})$ | | $U_H = \frac{1}{4} [U(++) - U(+ -) + U(- -) - U(- +)]; \quad U(B,I); \quad r_H \cong 1$ | | | | | | | |
| B <i>mT</i> | I <i>mA</i> | U_{σ^+} <i>mV</i> | U_{σ^-} <i>mV</i> | U_σ <i>mV</i> | $U(++)$ <i>mV</i> | $U(+ -)$ <i>mV</i> | $U(--)$ <i>mV</i> | $U(- +)$ <i>mV</i> | U_H <i>mV</i> |
| 0 | 1,367 | 174,77 | -174,70 | | | | | | |
| 67 | 1,367 | | | | -0,984 | +0,808 | +9,550 | -9,674 | |
| 107 | 1,367 | | | | +1,519 | -1,717 | +12,109 | -12,222 | |
| 182 | 1,367 | | | | +5,935 | -6,173 | +16,608 | -16,698 | |
| 253 | 1,367 | | | | +9,740 | -10,010 | +20,617 | -20,681 | |
| 406 | 1,367 | | | | +16,613 | -16,948 | +27,851 | -27,869 | |
| 962 | 1,367 | | | | +35,332 | -35,858 | +48,264 | -48,138 | |
| | | | | | | | | | |
| | | | | | | | | | |

Geometrie vzorků

Polovodič: $a = 2,93$ mm
 $w = 0,78$ mm
G 2 $l = 3,25$ mm



Kov: $a =$
 $l =$
 $w =$