**DATA HALL - KOV vzorek A8** 11.3.2021

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Měrný odpor** *ρ*  **Hallův koeficient** *RH* **Pohyblivost** *μ* **Koncentrace volných nositelů** **náboje** *n*  *n* =  (n>>p)  *Uσ =* ( Uσ+ - Uσ-) *UH =* [ U(++) – U(+ -) + U(- -) – U(- +)];U(B,I); *rH* | | | | | | | | | |
| *B* mT | *I*  *mA* | Uσ+  *mV* | Uσ-  *mV* | *Uσ*  *mV* | U(++)  *mV* | U(+-)  *mV* | U(--)  *mV* | U(-+)  *mV* | *UH*  *mV* |
| 0 | 59,6 | 85,120 | -86,065 |  |  |  |  |  |  |
| 514 | 59,6 |  |  |  | -3,164 | +3,078 | +3,053 | -3,138 |  |
| 514 | 72,3 |  |  |  | -3,846 | +3,627 | +3,595 | -3,815 |  |
| 1046 | 72,3 |  |  |  | -3,855 | +3,816 | +3,752 | -3,795 |  |
| 1512 | 72,3 |  |  |  | -3,880 | +3,810 | +3,710 | -3,782 |  |
| 1512 | 92,6 |  |  |  | -4,955 | +4,827 | +4,715 | -4,861 |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**Geometrie vzorků**

*U0=0* *l Uσ*

*a*

Polovodič: *a =*

*w*=

*l = UH w*

Kov*: a =* 5,0 mm

*l =*  10,0 mm

**A8** *w =*