



| Part <br> E7 |  |  | Maximum points |  | Total points |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Graph | Points are properly marked using the majority part of the graph | 0.1 | 0.5 |  |
|  |  | Reasonable fit over all marks | 0.1 |  |  |
|  |  | $\langle R\rangle=$ vdPauw resistance of wafer table $\pm$ $10 \%$, if wafer number is not known use $\langle R\rangle=42 \Omega$ | 0.3 |  |  |
|  |  | $\langle R\rangle=$ vdPauw resistance of wafer table $\pm$ 10.1 to $20 \%$, if wafer number is not known use $\langle R\rangle=42 \Omega$ | 0.2 |  |  |
|  |  | $\langle R\rangle=$ vdPauw resistance of wafer table $\pm$ 20.1 to $30 \%$, if wafer number is not known use $\langle R\rangle=42 \Omega$ | 0.1 |  |  |
|  |  | Missing or incorrect labels (either or both) | -0.1 |  |  |
|  |  | Missing or incorrect units (either or both) | -0.1 |  |  |
| E8 | Solve Eqn. <br> Calculation | $\rho_{\text {口 }}=\frac{\pi}{\ln 2}\langle R\rangle$ formula is present | 0.3 | 0.4 |  |
|  |  | Consistent calculation $\rho_{\square}$ | 0.1 |  |  |
|  |  | Missing or incorrect units | -0.1 |  |  |
| E9 | Calculation | Value is written with correct units (fraction, decimal and \% are accepted) | 0.1 | 0.1 |  |
| E10 | Calculation | Consistent calculation $\rho$ | 0.1 | 0.1 |  |
|  |  | Missing or incorrect units | -0.1 |  |  |

