

(c) Use the equation,

$$R = \frac{\rho l}{A}$$

to determine the resistivity, ρ , of the wire. Remember to include appropriate units with your answer. [2]

ρ calculated correctly (1) e.c.f.

Units Ωm (1)

[N.B. Data Book value = $1.08 \times 10^{-6} \Omega\text{m}$]