

1 What is a reasonable estimate of the cross-sectional area of the wire in a paper clip?

A $1 \times 10^{-3} \text{ m}^2$

B $8 \times 10^{-5} \text{ m}^2$

C $8 \times 10^{-7} \text{ m}^2$

D $1 \times 10^{-9} \text{ m}^2$