

32 The current in a circuit component is $2.00\text{ }\mu\text{A}$.

How many electrons pass through the component each second?

A 1.25×10^{13}

B 1.25×10^{16}

C 1.25×10^{19}

D 1.25×10^{25}

33 The filament of a 240V , 100W electric lamp heats up from room temperature to its operating