

19 A $1.0\text{ k}\Omega$ resistor has a maximum power rating of 0.25 W .

What is the maximum rate of flow of electrons in this resistor?

A $1.6 \times 10^{15}\text{ s}^{-1}$

B $9.9 \times 10^{16}\text{ s}^{-1}$

C $1.6 \times 10^{18}\text{ s}^{-1}$

D $3.1 \times 10^{18}\text{ s}^{-1}$

