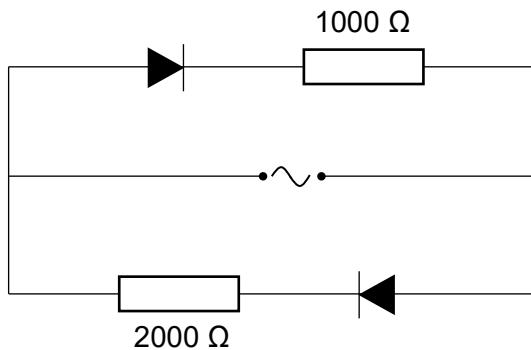


- 23** Two diodes, a  $1000\ \Omega$  resistor and a  $2000\ \Omega$  resistor are connected to a sinusoidal a.c. power supply with a peak voltage of  $12\text{ V}$  as shown below.



What is the average power dissipated by the circuit?

- A**  $0.036\text{ W}$       **B**  $0.054\text{ W}$       **C**  $0.072\text{ W}$       **D**  $0.144\text{ W}$