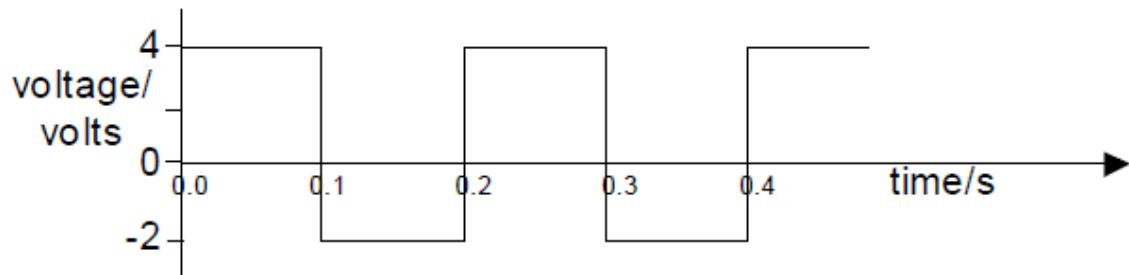


- 25 A $20\ \Omega$ resistor is connected to an AC power supply with a voltage output that varies from 4V to -2V at equal time intervals as shown on the graph below. What is the average heating power dissipated in the resistor?



A 0.20 W

B 0.50 W

C 0.80 W

D 1.0W