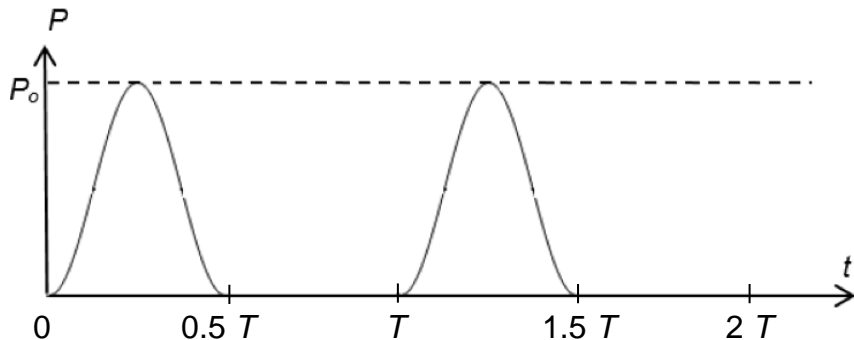


- 27** A half-wave rectified sinusoidal alternating current flows through a light bulb. The graph shows the variation of the power dissipated in the light bulb with time t , where T is the period of the current.



What is the average power consumption of the light bulb?

- A** $0.25 P_0$ **B** $0.40 P_0$ **C** $0.50 P_0$ **D** $0.70 P_0$