

- 26** An a.c. supply of peak value  $V_0$  and frequency  $f$  delivers a mean power  $P$  in a given resistor. With the peak value kept at  $V_0$ , the frequency of the supply is then changed to  $2f$ .

Which expression gives the new mean power in the resistor?

**A**  $P$

**B**  $\sqrt{2} P$

**C**  $2P$

**D**  $4P$