

- 2** A radio aerial of length L , when the current is I , emits a signal of wavelength λ and power P . These quantities are related by

$$P = kI^2 \left(\frac{L}{\lambda} \right)^2$$

where k is a constant.

What unit, if any, should be used for the constant k ?

- A** volt **B** ohm **C** watt **D** no unit