

- 25 A  $3.0\ \Omega$  resistor is connected to a sinusoidal a.c. supply. An oscilloscope records a peak voltage of  $9.0\ \text{V}$  when connected across the resistor.

What is the r.m.s. current flowing through the resistor?

- A** 2.1 A                      **B** 3.0 A                      **C** 6.4 A                      **D** 12.7 A