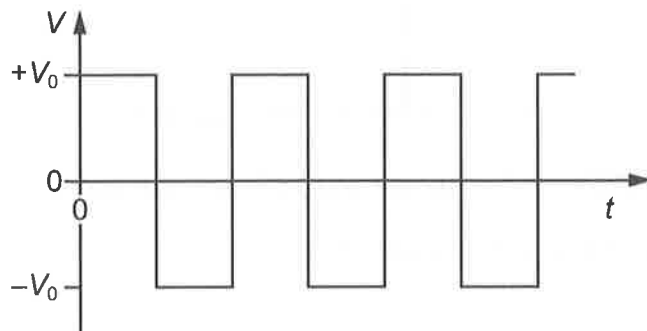


30 The diagram shows the variation with time t of an alternating voltage V .



The peak value of the alternating voltage is V_0 .

What is the root-mean-square (r.m.s.) value of the alternating voltage?

A $\sqrt{V_0}$

B $\sqrt{2} V_0$

C V_0

D $2V_0$

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