

- (f) (i) Determine the gradient of your graph. [1]

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- (ii) Hence determine a value for capacitance C from your graph. You are not expected to calculate any uncertainty in C . [4]

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- (g) The manufacturers' value of the capacitance C is $1000\ \mu\text{F}$ and has a claimed tolerance of 5%. Comment on the value that you have obtained from the experimental data. [2]

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