

- 34 A sinusoidal alternating supply of peak voltage 100V is connected to a diode and a 100Ω resistor in series.

The diode is ideal with a zero forward resistance and an infinite reverse resistance.

What is the value of the mean current in the resistor?

- A less than 0.5A
- B 0.5A
- C 0.7A
- D 1A