

ΕΝΔΕΙΚΤΙΚΕΣ ΑΠΑΝΤΗΣΕΙΣ

ΘΕΜΑ 2°

1. $I_o = 10\sqrt{2}A$

2. $I_{\epsilon v} = \frac{I_o}{\sqrt{2}} = \frac{10\sqrt{2}}{\sqrt{2}} = 10A$

3. $\omega = 6,28 \cdot 10^2 \text{rad/sec}$

4. $\omega = 2 \cdot \pi \cdot f \Rightarrow f = \frac{\omega}{2 \cdot \pi} \Rightarrow f = \frac{6,28 \cdot 10^2}{2 \cdot 3,14} \Rightarrow f = 100 \text{Hz}$

5. $T = \frac{1}{f} \Rightarrow T = \frac{1}{100} \Rightarrow T = 0,01 \text{sec}$

6. $\varphi = 0^\circ$