

---

*Current flow through leads of an ideal capacitor:* Which of the following types of current can not flow through the terminals (leads) of an ideal capacitor in an electric current?

- (A) Time-invariant current.
- (B) Slowly time-varying current.
- (C) Rapidly time-varying current.
- (D) Any time-varying current.
- (E) Any current.
- (F) None of the above.

*Solution:* (A)

*Answer:* (A)