

FARAD

Meaning: Farad: the SI unit of electrical capacitance, defined as the capacity of a capacitor to store one coulomb of electric charge at a potential difference of one volt.

1. The farad is the unit of electrical capacitance in the International System of Units.
2. In a circuit, a capacitor may be rated in farads, indicating its ability to store charge.
3. When designing electronic devices, engineers must carefully consider the farads needed for optimal performance.
4. A capacitor with a higher farad rating can store more energy, making it suitable for power applications.
5. In theoretical discussions, the farad can be conceptually linked to the behavior of electric fields in capacitors.

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