SoulShift

SoulShift – Educational Q&A Platform

General Questions

Practice Questions

Q1. What is the bandgap energy of a typical silicon semiconductor?

A. 0.1 eV
B. 1.1 eV
C. 2.0 eV
D. 3.5 eV

Solution: Silicon has a bandgap energy of approximately 1.1 eV, which is crucial for its semiconductor properties.

Q2. Which of the following is a characteristic of a Schottky diode?

A. High forward voltage drop
B. Fast switching speed
C. High reverse breakdown voltage
D. Low current handling capability

Solution: Schottky diodes are known for their fast switching speed due to their low forward voltage drop.